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"Seeds You Can't Keep Down"

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56th
SEED ANNUAL
 1933

ESTABLISHED 1877

101-103 Federal Street N. S., PITTSBURGH, PA. Fairfax 4210-11

Since 1877
Beckert's Seed Store
has been serving
a clientele
of critical garden buyers
with the
highest grade of
horticultural products

BECKERT'S SEED STORE 56th SEED ANNUAL

Novelty for 1933

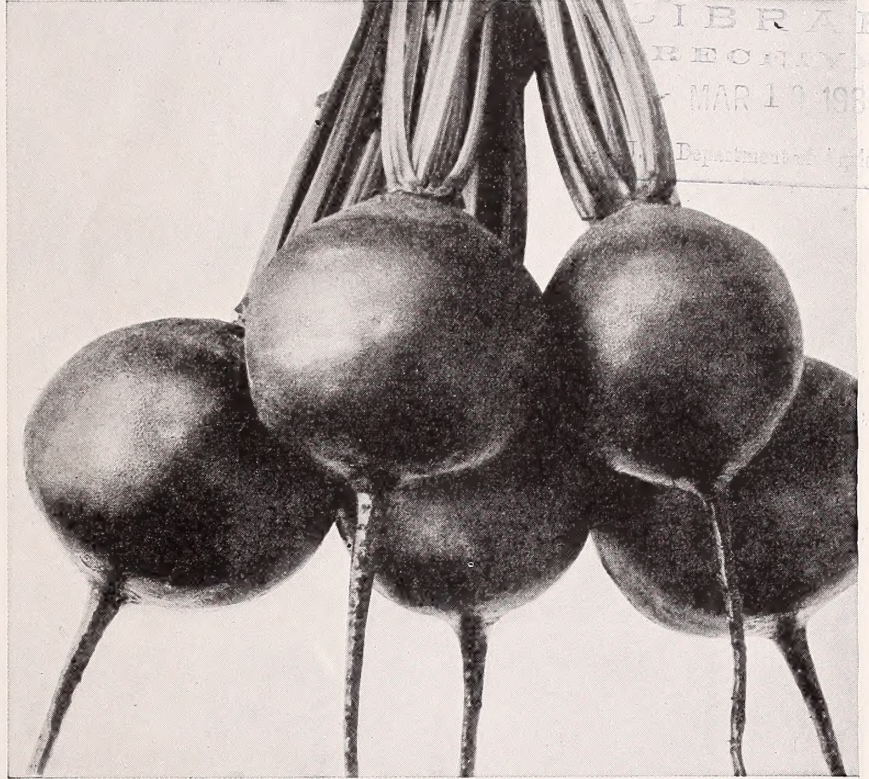
BEET—Good For All



This is the most refined, distinct and uniform strain of Beet developed in a long time.

Tops are sparse and shorter than any strain of Detroit Dark Red, usually 10 to 15 inches tall, depending on growth conditions. The leaves are narrow and quite plain, color a dull grayish green. Petioles are slender and not very stiff; so that the tops are inclined to droop or spread.

The roots are very smooth and refined and very even in size and shape, which is almost perfectly globular. The collar or neck is very small due to the very slender petioles. The tap root is slender and the root pinches closely at the base of the tap root, giving the entire bulb a very neat and clean appearance. The skin is smooth and very dark red. The interior color is a fine deep crimson vermillion. Flesh has close texture and is very free from zones and prominent growth rings.



Beet—"Good for All"



Beckert's Luscious Beets

"GOOD FOR ALL" shows very definite advantages as a canning and pickling beet. The roots are round and refined at small size and furnish exceptionally desirable material for canning whole at $1\frac{1}{4}$ to $1\frac{1}{2}$ inches diameter. (See illustration on left.) If allowed to stand, the same roots will reach a size up to 4 inches diameter, still retaining excellent quality and color.

This variety has great promise, owing to the wide range of size at which it can be used, and the remarkably fine interior color and quality shown at all stages of maturity. The evenness of the stock as regards size and shape of roots and the extreme refinement in shape of roots and size of tops combine to make this an outstanding canners' strain. The same qualities appeal to the home gardener and to the market gardener who caters to a quality trade.

Pkt. 10 cts., oz. 25 cts., 4 ozs. 90 cts.

For Beets, see page 5.

BECKERT'S SEED STORE

101-103 FEDERAL STREET

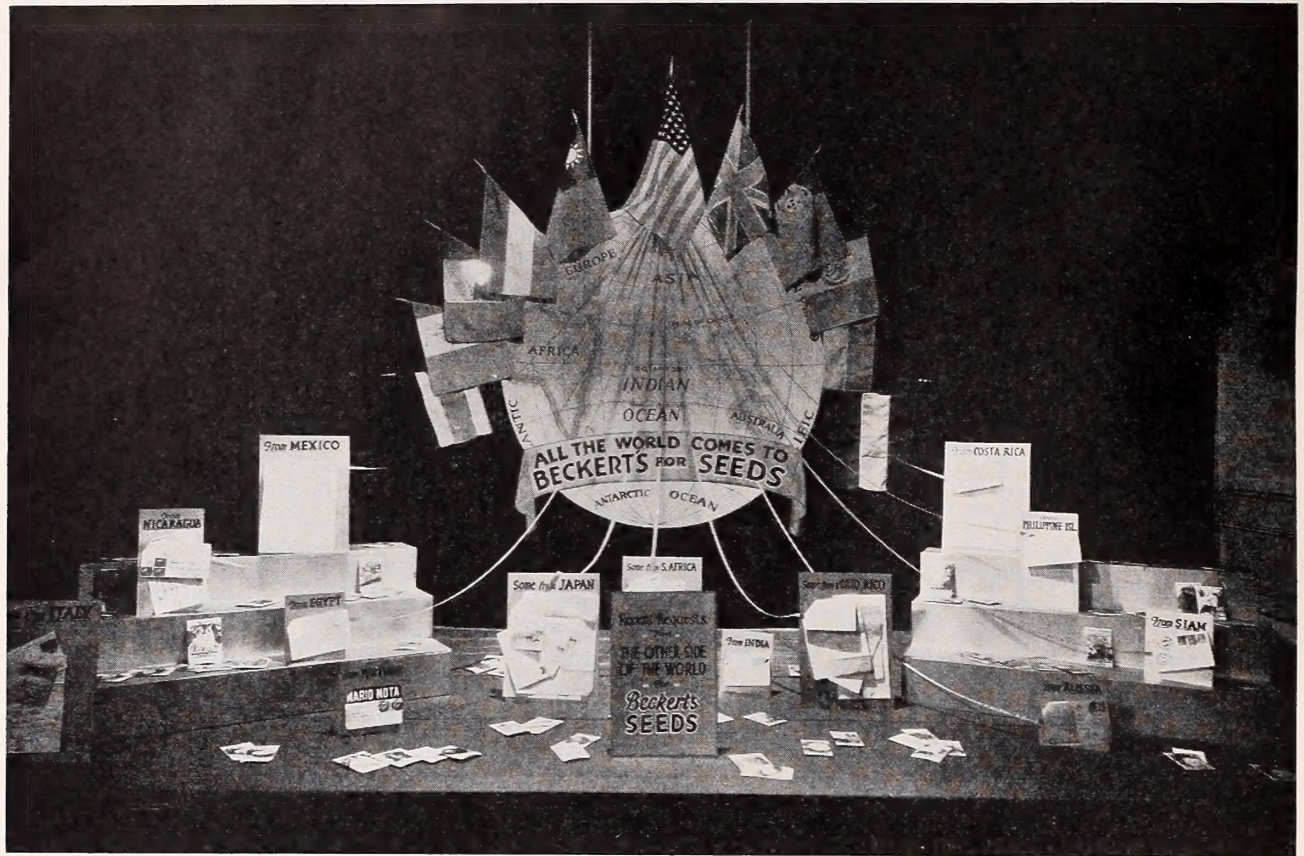
Fairfax 4210-11

N. S., PITTSBURGH, PA.

"Seeds You Can't Keep Down"



Beckert's Seed Store



Beckert's Seed Store large display window, showing requests for Beckert's Seeds from all parts of the world.

DELIVERY SERVICE

We maintain truck delivery service to all parts of the city as well as to Wilksburg, Edgewood, Swissvale, Homestead, South Hills, Mt. Lebanon, Crafton, Ingram, McKees Rocks, Coraopolis, Sewickley, Ben Avon, Avalon, Bellevue, West View, Millvale, Etna and Aspinwall.

DELIVERY BY PARCEL POST

We will deliver free by parcel post to any post office in the United States, all vegetable and flower seeds by the packet, ounce or pound, except Beans, Peas and Corn. For Beans, Peas, Corn, Bulbs and Miscellaneous Supplies wanted by mail, add postage at your zone rate. (See table below).

PARCEL POST RATES

Parcels of seeds and bulbs weighing less than 8 ounces must pay postage to all zones at the rate of 1 cent for each 2 ounces; in excess of 8 ounces at pound rates.

On the local rate, Pittsburgh and R. F. D. Routes Nos. 1 and 2, the rate is 8 cents for first pound or fraction thereof; for each succeeding 2 pounds the rate advances 1 cent, viz., 2 or 3 lbs., 9 cents, 4 or 5 lbs. 10 cents, etc., to a limit of 70 lbs.

	First Pound or Fraction	Each Additional Pound or Fraction	Limit of Weight
1st zone. Within 50 miles of Pittsburgh.....	\$.08	\$.01	70 lbs.
2d zone. Over 50 and under 150 miles from Pittsburgh.....	.08	.01	70 lbs.
3d zone. Over 150 and under 300 miles from Pittsburgh.....	.08	.02	70 lbs.
4th zone. Over 300 and under 600 miles from Pittsburgh.....	.10	.04	70 lbs.
5th zone. Over 600 and under 1,000 miles from Pittsburgh.....	.11	.05	70 lbs.
6th zone. Over 1,000 and under 1,400 miles from Pittsburgh.....	.12	.07	70 lbs.
7th zone. Over 1,400 and under 1,800 miles from Pittsburgh.....	.14	.09	70 lbs.
8th zone. Over 1,800 miles from Pittsburgh.....	.15	.11	70 lbs.

All goods sent by parcel post are at purchaser's risk, unless insured. Insurance is 5 cents for \$5 or less, 8 cents for \$5 to \$25, 10 cents for \$25 to \$50. This insures delivery only, but not damage to package.

NON-WARRANTY. We, Beckert's Seed Store, do not warrant in any way, expressed or implied, the contents or description, quality, productiveness or any other matter of any seeds, bulbs, or plants sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, he should return them at once and money will be refunded. We make all sales subject to the above conditions.



Don't gamble on the quality of seed you buy. Good seed is much cheaper in proportion to the results obtained than poor seed. Beckert's Seed Store has established an enviable reputation for quality in grass seed during more than half a century of determined effort to supply only the best and you can rely on the seed which we ship you. There is no better seed to be had at any price.

. . . YOUR LAWN . . .

GOOD soil, good seed, sufficient moisture, drainage, necessary fertilizing elements, proper cutting—these are the essentials of a beautiful lawn under ordinary conditions. We admit that it sounds like a big prescription, but actually you can't keep good grass from growing if you give it half a chance. We have explained on the next page what constitutes good soil; seed and fertilizer which you can rely on should be looked for only at a reliable seed house, drainage except in extreme cases takes care of itself, moisture under modern conditions may be easily applied as needed, and proper cutting is a question of judgment. Your lawn can be as green and beautiful every day through the summer and fall as it is in the springtime and, after it is properly started, it

is much easier to care for a good lawn than a poor one.

It is cheaper over a period of several years (and vastly more satisfactory), to start your lawn by building a good seed-bed than it is to attempt to coax a poor seed-bed to grow good grass. If you succeed in spite of a poor seed-bed it will be at the expense of much greater effort and cost.

It is commonly stated that the best time to seed a lawn is in the early spring or early fall, and this is undoubtedly true in general. A good lawn may be started at any time during the spring or early fall, provided essential details are given the necessary attention and proper moisture can be supplied, in case of need, by artificial means.



. . . YOUR SOIL . . .

THERE is probably no subject of general interest to the public on which there is greater lack of knowledge than the soil. Each season since the days when stable fertilizer became scarce the soil has become more impoverished and yet most people seem to have faith that good seed or plants placed in any kind of dirt will produce an abundant harvest.

A plant is a living, breathing, feeding, drinking, organism and it will not flourish under adverse conditions any more than a human being or other animal will. The soil must be loose and workable, well drained, it must contain plenty of humus (decayed vegetable matter), it must contain the necessary plant food elements (principally nitrogen, phosphorus, and potash), usually it should be neutral or alkaline (not acid) in reaction, and there should be sufficient moisture to supply the requirements of the plants and to make the plant food available.

On a small plot these requirements, which may sound intricate to anyone who is not experienced,

are not difficult to obtain. The workability of the soil is usually brought about by the same method which adds humus to the soil. In other words a soil which contains plenty of humus is usually in very good physical condition. Humus is usually added to small plots in the form of stable manure or peat moss and to larger plots in the form of stable manure or cover crops plowed under. But in whatever form it is added, it should be remembered that humus is one of the essentials of good soil. In fact without humus **there is no soil**—what is usually so called is common dirt. If plenty of humus is present and other conditions are right most any complete fertilizer will usually produce results. An acid condition is easily corrected by the use of lime, but lime should only be used when a soil test proves that it is needed. Nature will usually supply enough moisture if there is sufficient humus in the soil to hold it, otherwise it must be supplied artificially. Drainage, too, is ordinarily taken care of naturally, but it should be remembered that a waterlogged soil will not produce satisfactory results.

BECKERT'S EVERGREEN LAWN-SEED

We offer in our Evergreen Mixture a well-balanced blend of the finest and most enduring grasses we know—the result of years of study and trial. It is our masterpiece. Tested and proved, we can recommend it with the highest confidence for permanent and satisfactory results under even the most trying conditions. Its ingredients are the highest grade of re-cleaned seeds only. This lawn seed is now sold only by weight. Use one pound to 250 square feet, 100 pounds to the acre. **½ lb. 25 cts., 1 lb. 40 cts., 2 lbs. 75 cts., 5 lbs. \$1.75, 10 lbs. \$3.00, 25 lbs. \$7.00, 100 lbs. \$25.00.**

SHADY-NOOK LAWN MIXTURE

A mixture of grasses particularly adapted for sowing in shady places where the ordinary lawn grasses do not thrive. It will produce a bright-green lawn under trees and in the shade of buildings and shrubbery where bare, unsightly spots so often appear. **1 lb. 50 cts., 2 lbs. 90 cts., 5 lbs. \$2.00, 10 lbs. \$3.75, 25 lbs. \$8.50, 100 lbs. \$32.00.**

BECKERT'S CHOICE LAWN MIXTURE

This is a very good Lawn Mixture composed of re-cleaned grasses that will produce a rich green turf of lasting quality. Use one pound to 250 square feet. **1 lb. 35 cts., 2 lbs. 65 cts., 5 lbs. \$1.50, 10 lbs. \$2.50, 25 lbs. \$5.75, 100 lbs. \$20.00.**

PUTTING-GREEN MIXTURE

The finest, hardy, low-growing grasses are contained in this mixture, which will produce a close and lasting putting-green turf. **1 lb. 70 cts., 2 lbs. \$1.30, 5 lbs. \$3.00, 10 lbs. \$5.75, 25 lbs. \$13.50, 100 lbs. \$50.00.**

FAIR-GREEN MIXTURE

The best selection of grasses for an even, tough, permanent turf. Gives general satisfaction but, where a lot of seeding is to be done, we prefer to supply a special formula, according to the particular requirements of the soil. **1 lb. 35 cts., 2 lbs. 65 cts., 5 lbs. \$1.50, 10 lbs. \$2.75, 25 lbs. \$6.25, 100 lbs. \$22.50.**

Note—All lawn seed prices are subject to change. For other grasses, see page 34.



BECKERT'S Reliable VEGETABLE SEEDS

ARTICHOKE

The French or Globe Artichoke is a half-hardy perennial, cultivated for its flower-heads which are cooked like asparagus and are considered a great delicacy. Sow in early spring and thin the plants to stand 2 to 3 feet apart. Light protection is required over winter. Trim the second spring to three strong shoots. The first edible heads will be produced the second year, and should be gathered as fast as formed.

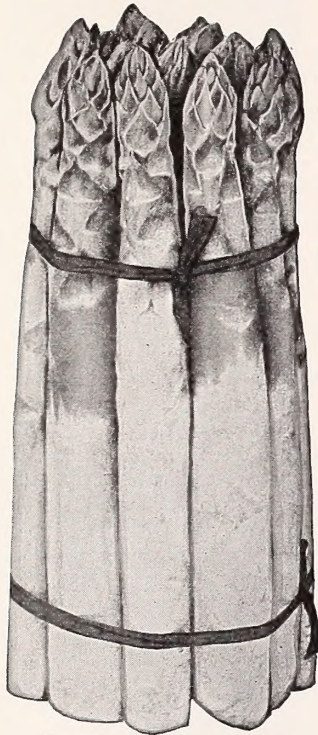
LARGE GREEN GLOBE. The best for general use.

ASPARAGUS

An Asparagus bed on well-drained soil, once properly made, will last for years. Plenty of fertilizer, as well as rich compost or well-rotted stable manure, should be trenched in to a depth of 2 feet and thoroughly mixed with the soil. The seed should be planted in rows 3 to 5 feet apart and thinned to stand 1½ feet apart in the rows; or sown in a separate seed-bed and the seedlings transplanted the second year, setting the crowns from 4 to 6 inches below the surface of the bed. Sow as early in the spring as the ground can be prepared and fair crops may be expected the third year from seed. An ounce will sow 50 feet of drill and produce about 300 plants.

MARY WASHINGTON. The shoots are larger and grow much more rapidly than other varieties. Very vigorous, with thick stalks which grow unusually tall without branching. Deep green with purple tips. This is the best variety for commercial planting.

ASPARAGUS ROOTS. Prepare the bed as for seed and plant the roots early in the spring. We can supply roots for shipment as soon as danger from frost is past.



Washington Asparagus

ASPARAGUS R'TS, 2-year- old, in bunches of 25			
Palmetto	\$.75	50	100
Giant Argenteuil .....	.75	1.25	2.00
Mary Washington	1.00	1.75	3.00
ARTICHOKE			
Large Green Globe	\$.20	Oz.	¼ lb.
			1 lb.
		\$.75	\$2.50
			\$
ASPARAGUS SEED			
Palmetto and Gt. Argenteuil .....	.10	.15	.30
Mary Washington .....	.10	.25	.75
BEEF			
Good-For-All .....	.10	.25	.90
Detroit Blood Red .....	.10	.15	.50
Egyptian .....	.10	.15	.50
Crosby's Improved .....	.10	.15	.50
Early Wonder .....	.10	.15	.50
MANGEL-WURZEL			
Giant Long Red .....	.10	.20	.60
Giant Yellow Intermediate .....	.10	.20	.60
Golden Tankard .....	.10	.20	.60
Giant Half-Sugar .....	.10	.20	.60

GARDEN BEETS

Next to Beans, the Beets are probably the easiest to grow of all garden vegetables, and among the root crops they certainly rank first. Beets will grow readily in any soil that has been deeply dug. It is not necessary that the soil be rich, although larger crops may be grown on fertile soil; fresh manure cannot be recommended since it will produce rough and misshapen roots and nurse root maggots. The soil should be dug and raked deeply and thoroughly as early in the spring as the ground can be worked. Sow the seeds in rows 18 to 24 inches apart, covering them with about 1½ inch of soil, pressing it down firmly to insure a quick and even germination. Scatter the seed thinly (one to every inch is ample) since each kernel is really a composite fruit containing two or more seeds. As soon as the seedlings are a few inches high, thin them out to stand 2 to 3 inches apart, and thin them again later on, if it is necessary, in order to give the roots room in which to develop. One ounce of Beet seed will sow from 50 to 75 feet of row; 5 to 6 pounds will sow an acre.

GOOD-FOR-ALL. You will like this excellent new Beet, which is described fully on Page 1. Include some in your vegetable seed order this spring.

DETROIT BLOOD RED. The best second-early Beet to follow Crosby's Improved. Roots of good size, globular; flesh dark red and tender; foliage small. Particularly sweet; the favorite sort for canning and without a doubt, the best all-round Beet for market or home-garden.

EGYPTIAN. An extra-early variety with medium-sized, flattened roots, dark crimson in color, and small tops. Can be grown very closely.

CROSBY'S IMPROVED, Beckert's Special Stock. An extra-early, thoroughbred strain of Crosby's Egyptian Beet. Handsome roots, thick, smooth, and with small taproots; of fine quality; uniform in size and shape; skin and flesh deep red. Crosby's Improved is the standard sort for early markets and a satisfactory extra-early Beet for the home garden.

EARLY WONDER. A new strain of Crosby Beet, producing uniformly smooth, well-shaped roots of extra-dark color. Early Wonder is highly recommended for bunching for early market.

STOCK BEETS or MANGEL-WURZELS

GIANT LONG RED MANGEL. Heavy cropper; roots long and thick.

GIANT YELLOW INTERMEDIATE. Roots oval-shaped; enormous yielder.

GOLDEN TANKARD. Has large roots; flesh bright yellow.

GIANT HALF-SUGAR. Rich in sugar, with closer-grained flesh than others. Roots bronze-green above ground and grayish below.



Detroit Red Turnip Beet



BEANS, Bush or Dwarf Varieties

(60 Pounds per Bushel)

Beans are among the most satisfactory vegetables for the home-garden, since they thrive in all sections and on a great variety of soils. While they will, of course, do best on soils well enriched with manure, good crops of Beans may be raised even on poor soil, providing you plant prolific kinds and cultivate freely. As a rule it is not safe to plant Beans until the ground has become thoroughly warm, generally after the middle of May, and they may be sown any time from then on up to August 1. The rows should be placed from 2 to 2½ feet apart, and seeds dropped about 4 inches apart in the row, to be covered with from 2 to 3 inches of soil, the greater depth in light soils, shallower in heavy soils. The pods should never be picked while the vines are wet, as this will spread rust and leaf-spot disease, cutting short the crop, besides making the pods unfit for use. Successive sowings of 20-foot rows, made at intervals of about two weeks, will give a plentiful supply of Snap Beans for a family of five throughout the season. Throughout July sow varieties which will require less than 65 days in which to bear pods. One pound of seed will sow 50 feet of drill; 90 pounds will sow an acre. **One pound of Beans is equivalent to about one pint by measure.**

THE BEST GREEN-PODDED BUSH BEANS

TENDERGREEN. This is a new Bush Bean of utmost value. The plants make a strong and vigorous growth. The pods grow 7 in. long, well branched and carry a great quantity of beautiful green beans. They are round, meaty, tender and stringless. You should at least give it a trial this year.

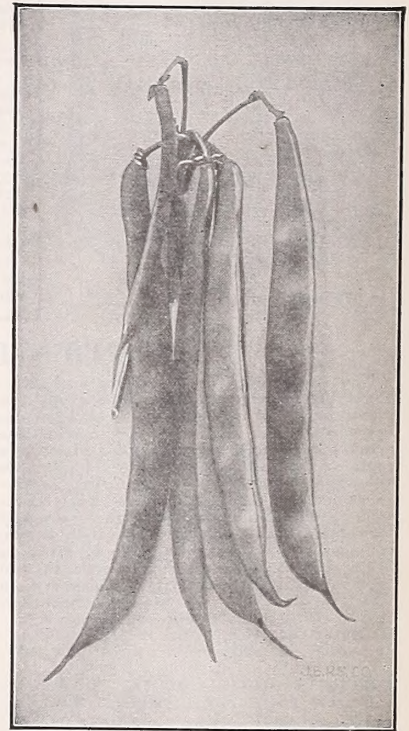
BOUNTIFUL. This is perhaps the finest all-round, flat-podded, green Bush Bean in cultivation today. It surpasses in bearing qualities and as a reliable cropper most other varieties, and it stands alone in its adaptability to widely varying climatic and soil conditions. It will bear loads of handsome pods, as shown in picture opposite, within 55 days from date of planting, and we have known a 15-foot row to yield a bushel of pods from the time the plants started bearing until the first frost. If there is any one Bean that deserves the title of "The Bean for the Home Garden," it is Bountiful among the Green-pods.

BURPEE'S STRINGLESS GREEN-POD. The earliest round-podded Bush Bean, and a splendid variety for every purpose. The first pods are ready to pick within 50 days from sowing and, if kept picked, the plants will continue to bear for a long period. The pods are round, full, and fleshy, absolutely stringless at all stages, remaining crisp and tender until the seed is fully developed. Does particularly well on heavy clay soils.

FULL MEASURE. A well-named, round-podded green, stringless Bush Bean of extraordinary yielding power. The plants are thrifty and bear early, generally within 60 days after seeds are sown. Pods average 6 to 6½ inches long, vary from slightly curved to straight, are deeply saddle-backed, tender, and of finest quality.

GIANT STRINGLESS GREEN-POD. Also sold as Giant Stringless Valentine. A most dependable yielder of handsome, round-podded Beans which are fleshy and absolutely stringless at all stages of development. Slightly later in season than Bountiful but an unusually heavy bearer and a fine variety to plant for a succession crop after the first earlies. Both Giant Stringless and Burpee's Stringless Green-Pod are particularly recommended for heavy clay soils.

KEENEY'S STRINGLESS GREEN REFUGEE. It took many years of careful breeding to produce this Bean in which every bit of the stringiness of the standard Refugee varieties has been eliminated. In season, Stringless Green Refugee comes between the two varieties offered above. It is just as prolific and, in addition to its other good Refugee qualities, it has been found to be a particularly fine Bean for canning.



Bountiful Beans

VARIETIES GROWN FOR DRY SHELL BEANS

These are mostly coarse-growing, late-maturing varieties, not suitable for use as "snap-shorts" in the green stage (with the exception of Dwarf Horticultural which is a dual-purpose kind). They are grown extensively for dry Beans for winter use.

WHITE MARROWFAT. Large, plump, white Beans—finest for baking.

SNOWFLAKE NAVY. An improved strain of the common, small Navy Bean, earlier and more productive.

DWARF HORTICULTURAL. Furnishes green-shelled Beans of the finest quality. The strain we offer is entirely stringless, hence the pods may be used as "snap-shorts" in the green stage.

WHITE KIDNEY. Desirable for Shell Beans. Seeds large, white, kidney-shaped, and of excellent quality.

RED KIDNEY. Like White Kidney except in the color of the seed. Very popular for baking and for soups.

	Pkt.	Lb.	2 lbs.	5 lbs.	10 lbs.	60 lbs.
Bu.						
DWARF GREEN						
Tendergreen	.....\$ .15	\$.40	\$.70	\$1.60	\$3.00	\$
Bountiful10	.30	.50	1.10	2.00
Burpee's Stringless10	.30	.50	1.10	2.00
Full Measure10	.30	.50	1.10	2.00
Giant Stringless10	.30	.50	1.10	2.00
Keeney's Stringless10	.30	.50	1.10	2.00
DRY OR SHELL						
White Marrowfat10	.30	.50	1.10	2.00
Snowflake Navy10	.30	.50	1.10	2.00
Horticultural10	.30	.50	1.10	2.00
White Kidney10	.30	.50	1.10	2.00
Red Kidney10	.30	.50	1.10	2.00



YELLOW or WAX-PODDED BUSH BEANS THE BEST FLAT-PODDED KINDS

(60 Pounds per Bushel)

SURE-CROP STRINGLESS WAX. The most thoroughbred flat podded Wax Beans introduced. Produces its handsome 6-inch pods in 55 days after the seed is sown. The pods are rich yellow, perfectly Stringless and of the finest quality.

WARDWELL'S KIDNEY WAX. An excellent early variety which for years has been considered by market-gardeners the standard of quality for family trade. Its creamy yellow pods average 6 inches long and are broad and decidedly flat, brittle and stringless until full-grown.

THE BEST ROUND-PODDED WAX BEANS

ROUND-POD BRITTLE WAX. Undoubtedly the handsomest of all round-podded Wax Beans and surely of superlative quality. It commences to bear its meaty, slightly curved pods in about 60 days after planting and continues to bear for the greater part of a month. On rich soils, the plants make quite a vigorous growth and, to avoid crowding, the beans should be dropped at least 5 or 6 inches apart.

PENCIL-POD BLACK WAX. This is the best strain of Prolific Black Wax in cultivation today. In productiveness it compares very favorably with Brittle Wax and Hardy Wax, commencing to bear in about 65 days from planting. The pods average from 6 to 7 inches long, varying from straight to slightly curved. In appearance they are most attractive, being slender and perfectly round, bright yellow in color, meaty and stringless at all stages, and of exceptionally fine quality.

BEANS FOR FORCING

MASTERPIECE. An English green-podded variety developed especially for growing under glass. We offer a quick-growing and very productive strain of the true variety. The pods are long and straight, and, when forced, they are very meaty, stringless at all stages, tender and of finest flavor.

EDIBLE-PODDED POLE BEANS

GREEN-PODDED VARIETIES

KENTUCKY WONDER or Old Homestead. A splendid "old-reliable," the most popular of all the Pole Beans. It is a vigorous grower, doing well on almost any soil, commencing to bear in about 85 days after sowing and continuing for a long season. The pods are produced in clusters and are deep green in color, round and meaty, often 9 inches long, tender and stringless when young, always of the finest quality.

WHITE-SEEDED KENTUCKY WONDER or Burger's Green-Pod Stringless. Earlier than Kentucky Wonder and remains longer in bearing. Pods 6 to 8 inches long, borne in clusters, dark green in color, meaty and stringless.

LAZY WIFE. An extremely productive sort, bearing broad, thick, flat pods, 4 to 6 inches long; stringless at all stages, tender and rich in flavor.

HORTICULTURAL POLE. A good producer of large, fleshy pods and the best variety for Shell Beans, which are of the finest flavor.

SCARLET RUNNER. Grown for its showy red blossoms, as well as for the Beans which are generally shelled and cooked like Limas.

WAX-PODDED VARIETIES

KENTUCKY WONDER WAX. So named on account of its resemblance to the green-podded Kentucky Wonder. A vigorous and immensely productive variety; extremely early, the first pods being ready for picking in 75 days from planting.

GOLDEN CLUSTER WAX. Following Kentucky Wonder Wax in maturity by about 10 days, this variety produces big clusters of very broad, flat but thick pods of a light waxy yellow color and delicious flavor. The pods will grow 7 inches long by 1 inch broad.

	Pkt.	Lb.	2 lbs.	5 lbs.	10 lbs.	Bu. 60 lbs.
DWARF WAX						
Sure-Crop Stringless	.10	.30	.50	1.10	2.00	8.50
Wardwell's Kidney	.10	.30	.50	1.10	2.00	8.50
Round Pod Brittle	.10	.30	.50	1.10	2.00	9.00
Pencil-Pod Black	.10	.30	.50	1.10	2.00	9.00
FORCING GREEN						
Masterpiece	.25	.75	1.40	...	...	...
POLE GREEN-PODDED						
Kentucky Wonder or Old Homestead	.10	.30	.50	1.10	2.00	9.00
White-Seeded Kentucky Wonder	.10	.35	.60	1.40	2.50	11.00
Lazy Wife	.10	.35	.60	1.40	2.50	11.00
Horticultural	.10	.35	.60	1.40	2.50	11.00
Scarlet Runner	.10	.40	.75	1.75	3.25	....
POLE WAX-PODDED						
Kentucky Wonder Wax	.10	.35	.60	1.50	2.75	12.00
Golden Cluster Wax	.10	.35	.60	1.50	2.75	12.00



Kentucky Wonder Beans



LIMA BEANS

(60 Pounds per Bushel)

Lima Beans are considered by many to be the finest of all Beans, and certainly there are few vegetables as delicious as green Lima Beans fresh from the garden. The Limas are not hardy and, under no circumstances should the seed be planted before the middle of May. Best results are obtained on a warm, medium light and well-drained soil. North of Pennsylvania only the early maturing bush varieties should be grown. Old gardeners claim that the seed germinates better if planted with the eye down.

DWARF or BUSH VARIETIES

The Bush Lima Beans bear earlier and are valuable therefore, in cool sections and for early market. Moreover, they take up less room than the climbing sorts in the small garden. Sow the seed in rows 2 to 3 feet apart, dropping the seeds every 4 inches and thinning the plants to stand 8 to 10 inches apart in the rows. One pound of seed will sow 50 feet of row.

EXTRA-EARLY GIANT. This comparatively new variety is the earliest of all the large-podded Bush Limas. The Beans are large, similar in size and shape to those of the Giant Improved Bush Lima, and of equally good quality. They are ready for picking, a full 10 days earlier, however, and are produced in even larger quantities. Extra-Early Giant is a decided acquisition as it makes it possible to grow Lima Beans farther north than ever before.

GIANT IMPROVED. A very productive variety, maturing at the same time as Quarter Century. The plants are unusually large and vigorous; the pods are of enormous size and are often borne in clusters of from 5 to 8; the Beans are larger than those of any other sort, flat but thicker than Quarter Century, and of fine quality.

FORDHOOK. The most perfect variety of the Potato Lima type. The Beans are large, very thick and mealy, and of the finest quality. The pods are borne in clusters of from 4 to 8, with 4 or 5 Beans to the pod; the plants are strong and erect in growth. Fordhook Bush Lima, besides being one of the most productive, is valuable on account of its earliness, as it matures shortly after Extra-Early Giant and before any of the other kinds.

WOOD'S PROLIFIC. This is the Dwarf Sieva or "Butter Bean" of the South, and a favorite for canning. The Beans are small but of unsurpassed flavor. The plants are strong and compact, medium early and productive. Wood's Prolific is an improved form of the older Henderson's Bush Lima.



Fordhook Bush Lima Beans

POLE LIMA BEANS

These mature later but are much more productive than the Bush sorts. They are grown in the same manner as the edible-podded Pole Beans, described on the previous page, except that the seed should not be planted until after the middle of May. One pound will plant about 50 hills.

NEW GIANT-PODDED POLE LIMA. The largest podded and heaviest yielding Lima Bean in cultivation.

CARPINTERIA. A splendid variety, combining high quality with unusual bearing power. The vines are strong, bearing early and profusely; the pods generally contain 4 large Beans which are thin-skinned, very tender and of a fine flavor. The Beans of the Carpinteria Pole Lima have a green tint even when fully ripe, which is a sure indication of quality.

EARLY LEVIATHAN. The earliest of the Pole Limas; very prolific; pods extra-large, containing 3 or 4 Beans of fine quality.

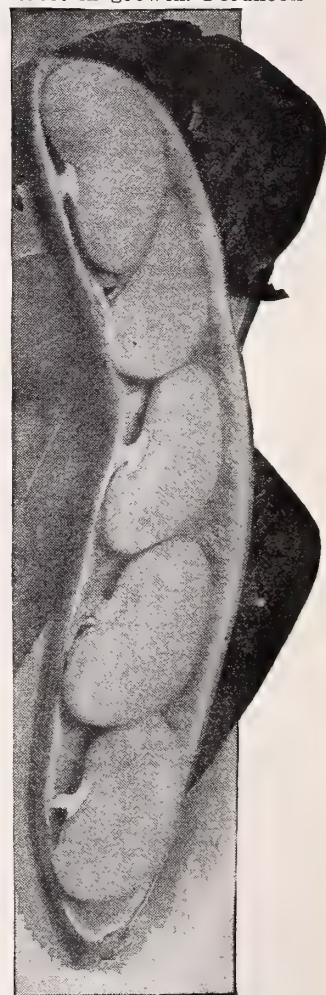
KING OF THE GARDEN. Following Carpinteria in season, this is perhaps the most productive of the Pole Limas as it continues to bear until cut down by frost. The vines are unusually strong and luxuriant in growth; consequently, it is best to allow only two vines to the hill.

CAROLINA or Sieva. The small-seeded variety so popular in the South. Medium late but very prolific; unsurpassed in quality.

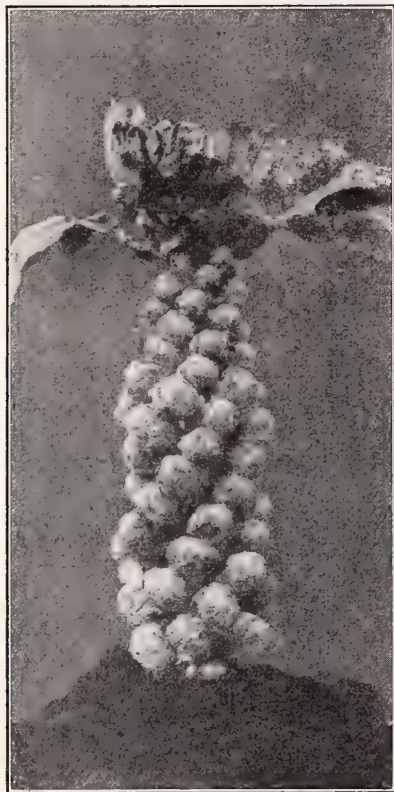
BROAD BEAN

AQUADULCE ENGLISH EXHIBITION STRAIN. An exhibition strain of the well known English Broad Bean, as early as the Spanish Seville type with pods 12 to 13 inches long.

	Pkg.	Lb.	2 lbs.	5 lbs.	10 lbs.	Bu. 60 lbs.
BUSH LIMA						
Extra-Early Giant	\$.10	\$.40	\$.75	\$1.60	\$3.00	\$14.00
Giant Improved .....	.10	.40	.75	1.60	3.00	14.00
Fordhook .....	.10	.40	.75	1.75	3.25	18.00
Wood's Prolific .....	.10	.35	.65	1.50	2.75	13.00
POLE LIMA						
New Giant Podded .....	.10	.35	.65	1.50	2.75	12.00
Carpinteria .....	.10	.35	.65	1.50	2.75	12.00
Early Leviathan .....	.10	.35	.65	1.50	2.75	12.00
King of the Garden .....	.10	.35	.65	1.50	2.75	12.00
Carolina or Sieva .....	.10	.35	.65	1.50	2.75	12.00
Broad or Aquadulce .....	.10	.50	.90	...	...	....



King of the Garden Lima Beans



Brussels Sprouts

BRUSSELS SPROUTS The seed should be sown in April or May, and are improved by frost. An ounce of seed will produce 2,000 plants.

SPIRAL, NEW HOLLAND. Tall variety, well set with large hard sprouts. Stalks large, thick and close-jointed and are developed very uniformly.

LONG ISLAND IMPROVED. Considered by many the best strain of Brussels Sprouts grown in this country. Compared with the two other varieties we offer, it grows less tall and is wider at the base of the plant. Early; fine quality.

BROCCOLI A form of cauliflower, requiring similar treatment; suitable for late crops only.

ITALIAN GREEN SPROUTING. A genuine Italian variety.

COLLARDS

GEORGIA. Cultivate same as Cabbage, of which it is really a tall loose-leaved form. Grows 3 feet high, forming a cluster of undulated leaves at the top of its long stem.

CRESS Excellent spicy spring salads. Pepper Grass should be sown thickly in shallow drills in early spring, and at intervals for continued supply, is it soon runs to seed.

EXTRA-CURLED, or Pepper Grass. Of pleasant pungent flavor; the leaves can be cut several times.

WATER CRESS. Small, oval leaves; very tender, crisp and pleasantly spicy when young. Plants of dwarf, spreading habit. A perennial aquatic, which grows well in any running stream.

CHICORY

WITLOOF or French Endive.

LARGE ROOTED MAGDEBURG. This variety is cultivated for the roots. The roots can be boiled and served like salsify.

CHIVES Stems have a pleasing pungent flavor; chop into small pieces and use in salads and for garnishing.

CAULIFLOWER

Beckert's Supreme Snowball Cauliflower

This Snowball is more vigorous than any of the old stocks, very resistant to weather conditions. Head is perfectly protected by the leaves and is fit for the table four months after sowing the seed. Head is pure white with the curds standing out in high relief.

BECKERT'S SELECTED EARLY SNOWBALL. Is an early compact grower, and a very certain header.

DANISH PERFECTION. A new and distinct variety that is nearly as early as Snowball and produces equally as perfect a head. Has long leaves that grow straight up, with the inner leaves twisted and whorled, which naturally protects the head from the sun to a great extent.

EXTRA EARLY ERFURT. The plants may be depended upon to form large, firm, white heads; very early.

DANISH GIANT or Dry Weather. Similar to Snowball in size, quality, etc., but matures about one week later and is a better drought and heat-resister.

VEITCH'S AUTUMN GIANT. Large, firm, white heads. Late; sure-header.

CORN SALAD

Sow the seed thickly in shallow drills in September, and firm the soil well down above it, if the weather be dry. Highly appreciated, and much grown where other salads and lettuces do not succeed. Prepared in the same manner as lettuce and makes an excellent dish. An ounce of seed will sow a bed 20 feet square.

BROAD LEAVED. Has large, tender leaves.



Beckert's Early Snowball Cauliflower

BRUSSELS SPROUTS	Pkt.	½ oz.	1 oz.	4 oz.	1 lb.
Spiral, New Holland	\$.15	\$.35	\$.60	\$... \$...
BROCCOLI					
Italian Green Sprouting	..	.25	.40	.75	... ..
COLLARDS, Georgia	..	.10	..	.15	.50 1.25
CRESS, Curled10	..	.15	.35 .75
CRESS, Water10	.35	.60	1.75 6.00
CHICORY, Witloof10	..	.20	.50 1.50
CHICORY, Magderburg10	..	.20	.50 1.50
CHIVES, Clumps15	and .25	Each	
CHIVES, Seed25	.40	.75	... ..
CORN SALAD					
Broad Leaved10	..	.20	.50 1.25
CAULIFLOWER					
Supreme Snowball	\$.35	\$1.00	\$1.75	\$3.50
Select Early Snowball25	.75	1.25	2.50
Danish Perfection25	.75	1.25	2.50
Extra Early Erfurt25	.75	1.25	2.50
Danish Giant25	.75	1.25	2.50
Veitch's Autumn Giant15	.50	.75	1.50



CABBAGE

CABBAGE DOES BEST ON A WELL MANURED SOIL

Seed sown in hotbed or greenhouse about February 15 will give plants large enough to transplant into hotbeds about March 10. Set them 2 to 3 inches apart each way, and as soon as they become well established, remove the glass for part of the day, to harden them for final transplanting into the open ground, increasing the exposure daily until April 10 to 20, when the final transplanting may be made. For late crops, sow the seed in April or May and transplant to the open ground when large enough, setting the plants up to the first leaf and 2 to 3 feet apart. It is important that the plants should not stand thick in the seed-beds, as this would induce weak, slender growth. The insects which molest them should be kept in check with remedies which seem most efficacious in the locality. There is a tendency to club-root if Cabbage is grown on the same ground year after year. An ounce of seed will produce about 2,000 plants.

EARLY and SECOND- EARLY VARIETIES

EXTRA-EARLY JERSEY WAKEFIELD. One of the leading early Cabbages, equally popular for home use and market, maturing perfect heads in from 100 to 110 days from sowing. The heads are of medium size, pyramidal and pointed, firm and solid, with few outside leaves, remarkably uniform in size and time of maturing. Quality excellent.

LARGE CHARLESTON WAKEFIELD. A selection from the preceding, maturing about 10 days later. The heads are considerably larger, oblong and pointed.

EXPRESS. Earlier than Wakefield, heads small but very solid, very few outer leaves allowing close planting.

WINNINGSTADT. A splendid second early, pointed variety. The heads are of medium size, sharply pointed and very hard. Winningstadt is considered by many to be the finest flavored cabbage in cultivation; largely grown for kraut.

COPENHAGEN MARKET. The earliest of the round-headed Cabbages. Copenhagen Market has within a few years become immensely popular and is now more largely grown than any other variety for early market. Within 110 days from sowing it will mature fine, round, solid heads averaging 8 to 10 pounds in weight, and will compare favorably in yield per acre with any other variety, early or late. Copenhagen Market does best on rich, moist bottom-lands.

GOLDEN ACRE. In the amazingly short period of 80 days from sowing, Golden Acre matures hard, round heads uniform in size and growth, with few outer leaves.

WISCONSIN YELLOW RESISTANT. An improved strain of the all-seasons type has been carefully selected for resistance to "the yellows." The flattened heads grow to medium size and are very heavy.

STEIN'S DWARF FLAT DUTCH. An excellent large early flat variety producing solid heads that mature with early summer, short stems with comparatively few outer leaves, much earlier than the Late Flat Dutch type.



Head of Enkhuizen Glory Cabbage

Enkhuizen Glory. Following closely after Copenhagen Market, this variety combines earliness, size and quality in a remarkable degree. In size and shape it closely resembles the Copenhagen Market and stands second only to that variety in yield. It does particularly well on moist clay upland soils and, on account of its greater adaptability, it is even more satisfactory than Copenhagen Market for home gardens. We recommend Enkhuizen Glory as the best all-around early Cabbage.

EARLY ALLHEAD. The largest of the flat-headed, early Cabbages. The heads are very solid, uniform in size and maturity, and of excellent quality. A sure header, adaptable to many soils, equally good as a winter Cabbage.

SUCCESSION or All Seasons. A little later than Early Allhead. Heads larger and thicker; good for early and late crop. A very satisfactory, all-round Cabbage.

MAIN-CROP AND LATE VARIETIES

PENN STATE BALLHEAD. Is probably the heaviest yielding Cabbage in existence. Will outyield the average strain of Danish Ballhead by from 8 to 10 tons per acre under favorable conditions. Tested records show a production of 26 tons per acre.

SUREHEAD. An extra-select strain of the Late Flat Dutch type, producing big, solid heads, very uniform in shape and size, and of splendid keeping quality. The most reliable late Cabbage for the home garden.

LARGE LATE FLAT DUTCH. An excellent keeping variety; more extensively grown for main crops than any other sort. The heads are heavy, broad and flat, very solid and of good quality.

AUTUMN KING. An extra-hardy, late maturing flat-headed Cabbage. Solid heads of the largest size.

SHORT-STEM DRUMHEAD. Of uniformly dwarf growth, producing immense, flat heads which are very solid and often attain a weight of 20 to 25 pounds.

SHORT-STEM DANISH BALLHEAD or Roundhead. Dwarf-growing and a little earlier but otherwise similar to the tall-stemmed type. This variety is a big cropper, with large, heavy heads, withstanding severe drought.

CHINESE or CELERY CABBAGE

CHIHLI. Earliest and most sure head of the Chinese variety, plants of upright growth, very broad leaves and white cylindrical heads 2 feet in length and of superior quality.

PE-TSAI. The original Chinese Cabbage. With good culture it will form heads 2 feet tall and 6 inches through. Tender and delicious.

WONG BOK. A distinct variety forming plants of more compact growth and broader heads. This is a very reliable sort for both home and market-gardens, since it seems to be a sure header, even under contrary conditions, and stands long before sending up seed-stalks. Crisp and tender, with a piquant flavor.

CABBAGE	Pkt.	½ oz.	1 oz.	4 oz.	1 lb.
Ex. Ey. Jersey Wakefield	\$.10	\$.20	\$.35	\$1.00	\$2.50
Lge. Charleston Wakefield	.10	.20	.35	1.00	2.50
Express	.10	.20	.35	1.00	2.50
Winningstadt	.10	.20	.35	1.00	2.50
Copenhagen Market	.10	.20	.35	1.00	2.50
Golden Acre	.10	.30	.50	1.50	4.00
Wisconsin Yel. Resistant	.15	.50	.90	...	...
Enkhuizen Glory	.10	.20	.35	1.10	3.00
All Head	.10	.20	.35	1.00	2.50
Succession All Season	.10	.20	.35	1.00	2.50
Stein's Dwarf Flat Dutch	.10	.20	.35	1.00	2.50
Large Late Flat Dutch	.10	.20	.35	1.00	2.50
Autumn King	.10	.20	.35	1.00	2.50
Short-Stem Drumhead	.10	.20	.35	1.00	2.50
Short-Stem Danish Ballh'd	.10	.20	.35	1.00	2.50
Penn State Ballhead	.15	.30	.60	1.75	5.00
CHINESE or CELERY CABBAGE					
Chihli	.10	.20	.35	1.00	3.50
Pe-Tsai	.10	.20	.35	1.00	3.50
Wong Bok	.10	.20	.35	1.00	3.50



SAVOY and RED CABBAGE

PERFECTION DRUMHEAD SAVOY. The best all-round variety for American conditions. Good-sized, solid heads, with attractively curled and savoyed deep green leaves. In flavor it surpasses all other Cabbages and the flavor is improved by freezing. The heads may be left standing in the garden all winter until wanted for the table.

EARLY CONED SAVOY. Large cone shaped heads with dark green crinkled leaves, a favorite for home gardens.

MAMMOTH ROCK RED. A very select strain with large, solid, somewhat flattened heads. The favorite Cabbage for pickling.

RED DANISH STONEHEAD. Heads perfectly round and extremely solid; large in size; deep purplish red, showing but slight traces of white.



Chantenay or Model Carrots



Surehead. The best late Cabbage for home use.

CARROTS

Carrots succeed best on heavy loam, which has been well fertilized the previous year, as fresh manure often causes the roots to grow pronged and misshapen. Sow the seed early in the spring, firming the soil down over it. Make succession sowings every ten days up to the end of June, and put in a few extra rows about June 15 for winter use. An ounce of seed will sow 100 feet of drill; four pounds will sow an acre.

BECKERT'S RED CORELESS. The earliest carrot that grows to good size, also one of the newer varieties. Roots are uniform in size and shape, 6 to 7 inches long and 1½ inches in diameter, blunt pointed, rich orange red skin and flesh, absolutely no core. This is a very good variety and one which we can thoroughly recommend.

CHANTENAY or Model. A Carrot of many good qualities and a popular variety in all parts of the country. The roots grow quickly and are broad-shouldered, tapering slightly to the abrupt point, smooth and very handsome in appearance. The flesh is deep orange and of the finest quality even in the largest roots. A splendid winter keeper.

DANVERS HALF-LONG. A grand old favorite, extensively grown for market and a desirable variety for every purpose. The roots grow 6 to 8 inches long and are nearly cylindrical, abruptly pointed at the base. The flesh is bright orange, fine-grained and free from fiber. A good cropper.

HALF-LONG LUC. This particular strain of half-long, stump-rooted Carrot is in great demand among our most critical customers. It is somewhat earlier than Danvers and the roots are a trifle thicker, remarkably symmetrical, and deep orange-red in color, having but the faintest indication of a core. In quality it is unsurpassed and, at the same time, it is most productive. On good soils under favorable conditions, it will yield up to twenty-five tons per acre.

RED-CORED CHANTENAY. This new strain shows many improvements over the well-known Chantenay. The collars are small and the tops are slightly shorter but are not brittle and are strong enough for easy bunching. The clean roots are smooth and very symmetrical, from the broad square shoulders tapering nicely to a very pronounced stump root just above the very small rat-tail root. They are colored deeper orange than most strains of Chantenay. The cores are small and hard to distinguish from the flesh and both core and flesh are fine-grained, tender and sweet. The crop matures just a little earlier than with ordinary Chantenay.

IMPROVED LONG ORANGE. Very long, pointed roots of good quality. A heavy yielder; extensively grown. Useful for stock feeding as well as the table.

IMPROVED WHITE BELGIAN. Grown for feeding to cattle and horses, and a valuable addition to the winter rations, helping to keep stock in best condition. This is the most productive and easily harvested variety. The roots are large and thick through, growing partly above the ground. Can be kept all winter.

CABBAGE, Savoy and Red	Pkt.	½ oz.	1 oz.	4 oz.	1 lb.
Perfection Drumhead Savoy	\$.10	\$.20	\$.35	\$1.00	\$2.50
Early Coned Savoy	.10	.20	.35	1.00	2.50
Mammoth Rock Red	.10	.20	.35	1.10	3.00
Red Danish Stonehead	.10	.20	.35	1.10	3.00

CARROTS				
Beckert's Red Coreless	.10	..	.25	.65 1.50
Chantenay or Model	.10	..	.20	.50 .90
Danvers Half-Long	.10	..	.20	.50 .90
Half-Long Luc	.10	..	.20	.50 .90
Red-Cored Chantenay	.10	..	.25	.65 1.50
Improved Long Orange	.10	..	.20	.50 .90
Improved White Belgian	.10	..	.15	.40 .80



CELERY



Florida Golden Celery

Celery can be grown in any garden soil, but the finest is produced in deep, mellow bottomland. Seed for early crops should be sown in hotbeds about March 15. The plants may be either thinned to give them room to grow, or transplanted to another bed to grow until it is time to plant them in the open ground. For main crop, seed should be sown in the open as soon as the soil and air are warm enough. They should be covered lightly, and firmly pressed into the earth with a board, if the soil is fine and mellow. The seed-bed must be kept free from weeds, and well watered in dry weather. When the plants are large enough, transplant them to shallow trenches or furrows, from 4 to 6 feet apart, according to the variety grown, setting the plants 6 inches apart in the rows and pressing the soil firmly around them. Blanching consists of drawing earth up to the stalks at intervals of about two weeks, until all but the tops of the plants are covered. Celery may be kept for winter use in cellars, or in deep, narrow trenches, in a dry situation; the latter must be covered with boards, with sufficient soil and manure on top to keep out the frost, leave openings at short distances for ventilation in mild weather. An ounce of seed will produce about 2,000 plants.

BECKERT'S SELECT EASY BLANCHING

This splendid Celery has come to the front very rapidly the last few years. Its outstanding characteristic is the remarkable ease with which it blanches, while at the same time it is suitable both for early use and for winter keeping—valuable qualities which recommend it strongly to amateur as well as professional growers. In growth it somewhat resembles the Golden Self-Blanching, having the same thick, healthy stalk and heavy heart.

FLORIDA GOLDEN. This variety has most of the characteristics of Golden Plume or Wonderful but has greater height and weight of plant and the edible portion of the stem is larger. The foliage is slightly darker green than Golden Plume. The stems are broad, thick, solid and the plants are full hearted and very compact. The hearts of "Florida Golden" blanch to a rich cream color of exceptionally fine quality and excellent flavor. The stems are crisp and free from strings. Florida Golden will fill the needs of the shipper, the market grower, and the home gardener for this type.

EASY BLANCHING. An early variety of upright habit making blanching very easy, stalks thick and brittle.

GOLDEN SELF-BLANCHING, American Grown. As now perfected, this compares very favorably with the imported strains. The difference in price is certainly worth consideration. We feel that this strain will meet all requirements of the home gardener.

GOLDEN PLUME. This new Celery has made a sensation among the market-growers who have tried it. Closely resembles Golden Self-blanching but matures a little earlier and blanches more readily. Moreover, it seems to be particularly resistant to Celery diseases. Has a large solid heart which blanches to a beautiful yellow.

WHITE PLUME. Tall growing; extra-early. Easily blanched, and one of the very handsomest sorts grown. In large plants the stalks, hearts, and inner leaves become white without any blanching.

CELERY	Pkt.	½ oz.	1 oz.	4 oz.	1 lb.	CELERY	Pkt.	½ oz.	1 oz.	4 oz.	1 lb.
Beckert's Select Easy Bl'ching.	\$.15	\$.50	\$.90	\$3.00	\$10.00	Emperor	\$.10	\$.30	\$.50	\$1.50	\$ 5.00
Florida Golden	.15	.50	.90	3.00	10.00	Giant Pascal	.10	.20	.35	1.00	3.00
Easy Blanching	.10	.20	.35	1.00	3.00	Winter Queen	.10	.20	.35	1.00	3.00
Golden Plume	.15	.40	.75	2.00	6.00	Standard Bearer Red	.15	.55	1.00	...	...
White Plume	.10	.30	.50	1.50	5.00	CELERIAC					
Columbia	.10	.20	.35	1.00	3.00	Prague Giant, Root Celery	.10	.20	.35	1.00	3.00

THE WINTER KEEPERS

COLUMBIA. A quick-growing variety, of medium height and stocky. Stalks thick and rich yellow when blanched.

EMPEROR. A valuable new and distinct green Celery for winter use. Dwarf in habit, attaining a height of 15 to 18 inches. Stalks smooth and very thick. Blanches white with heart tinged yellow. In eating quality, it is absolutely unequalled, being unusually meaty and brittle with a very rich, nutty flavor.

GIANT PASCAL. The stalks are broad, thick, and about 2 feet high; blanches quickly; rich nutty flavor; tender, crisp and stringless. An excellent market Celery.

WINTER QUEEN. Of medium height and strong, robust growth; stalks thick and heavy, with numerous hearts; perfectly solid, rich and of delicious nutty flavor; a fine winter keeper.

STANDARD BEARER. A splendid red variety of compact and sturdy habit, robust growth and superior quality. The unique rich flavor of the red Celeries is highly appreciated by those who know it.

CELERIAC or TURNIP ROOTED CELERY.

PRAGUE GIANT. The roots are large and smooth. When young, they are quite tender and marrow-like, having a very fine flavor and cooking quickly.

"Seeds You Can't Keep Down"



SWEET or SUGAR CORN

(1½ Pounds per Quart; 50 Pounds per Bushel)

As a typical American, Sweet Corn likes plenty of heat at all stages of development, and the seeds should not be planted until the ground becomes thoroughly warm, generally the last week in May in this section. While many home-gardeners still adhere to the time-honored practice of planting Corn in hills, the modern way of sowing the seeds in straight rows, dropping the kernels 4 inches apart and covering them 2 inches deep, is productive of far more attractive yields in the home-garden.

When the seedlings are from 6 to 8 inches tall they should be thinned out to stand about a foot apart in the row. Never plant Sweet Corn, in long, single rows but rather in blocks of six or more short rows, allowing 2½ to 3 feet between the rows, according to variety. Early in the season, the space between the rows may be utilized by quickly maturing crops such as green onions, radishes, spinach, etc. Slight hilling of the rows will serve to help the Corn stand up against high winds and will also prove instrumental in keeping the cultivator the proper distance from the base of the plants from which extend the top feeding roots which should never be disturbed.

For a constant supply of Sweet Corn from late in July until frost, the home-gardener has the choice of pursuing two courses. He may either select a number of varieties maturing in succession, planting them all at one time, or make repeated sowings of one and the same variety at intervals of a week up to July 4, when an early variety is used, and up to the middle of June with the late varieties. One pound of seed will plant 200 hills or sow about 250 feet of running row; 12 to 15 pounds will sow an acre.

THE FINEST YELLOW VARIETIES

BECKERT'S GOLDEN EVERGREEN. This splendid variety is the result of a cross between Golden Bantam and White Evergreen. Introduced by us in 1917, it has filled a long felt want for a large-eared yellow variety with the true Bantam flavor. The originator claimed that it was "the one best Sweet Corn," and hundreds of planters will now testify that he knew what he was talking about. Beckert's Golden Evergreen combines the delicious flavor of Golden Bantam with the evergreen habit of White Evergreen. It is ready for the table about a week after Golden Bantam but the ears are much larger, being 8 to 10 inches long, with 12 or 14 rows of deep sugary grains, just the right size for eating off the cob.

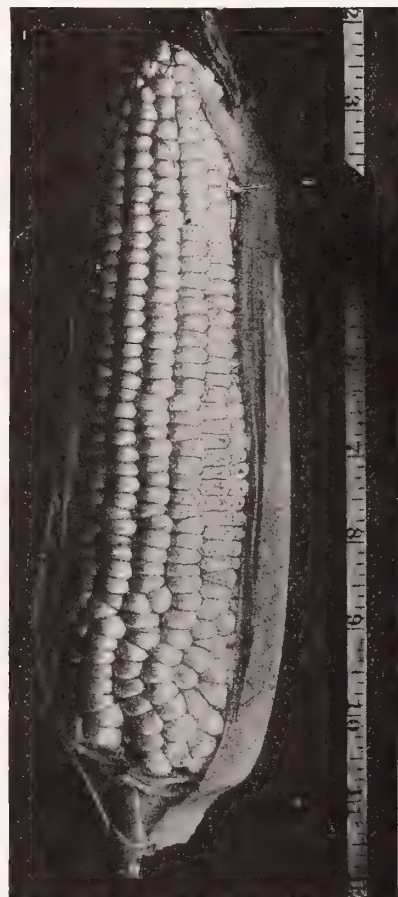
It is a true evergreen, for the ears remain green and edible for more than two weeks from any planting, and stay in the roasting-ear stage for a month from late plantings. The husk is abundant, to protect the ears from corn-worm and smut, and this variety is rarely affected by either. Hardy in the seed, it may be planted early; having a strong root system, it is drought-resistant to an unusual extent. If planted about July Fourth, the best roasting-ears of the season may be gathered from the middle of September until killing frost, late in October. Beckert's Golden Evergreen is particularly suitable for market gardeners who have a discriminating trade.

GOLDEN ALPHA. To preserve the desirable qualities of this variety, and still meet the demand for the appealing golden color, with its matchless flavor, our grower has spent several years in breeding and selecting this newest sugar corn, Golden Alpha, a result of crossing and careful selection of Barden's Yellow Wonder Bantam with Ferry's Early White Alpha.

The ears are 6 to 8 inches long, cylindrical in shape and uniformly 8 rowed. The kernels are a rich golden cream color and of matchless flavor and quality. Stalks are more sturdy and vigorous than the parent alpha. We believe it to be one of the most profitable corns for the critical market and home gardeners.

BARDEN'S WONDER BANTAM. A wonderful combination of delicious sweetness in generous-sized ears 8 to 10 inches long with eight rows of rich golden kernels.

BURBANK'S BANTAM. One of the new and earliest of all the Bantam type. Stalks usually grow to a height of 4½ to 5 feet. The ear is 7 to 8 inches long, has 14 to 16 rows of delicious golden grains, matures in 65 to 70 days. It has the original Golden Bantam flavor and is about a week earlier.



A typical ear of Beckert's Golden Evergreen



CORN—Sugar or Sweet	Pkt.	½ lb.	1 lb.	2 lb.	5 lb.	10 lb.	Bu. 50 lb.
Beckert's Golden Evergreen.....	\$.10	\$.20	\$.30	\$.50	\$1.10	\$2.00	\$ 7.00
Golden Alpha .....	.10	.25	.40	.70	1.60	3.00	10.00
Barden's Wonder Bantam.....	.10	.20	.30	.50	1.10	2.00	7.50
Burbank's Bantam .....	.10	.20	.30	.50	1.10	2.00	8.00

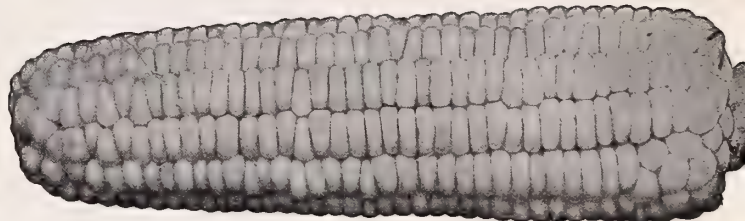
GOLDEN ALPHA SWEET CORN



SWEET or SUGAR CORN

(1½ Pounds per Quart; 50 Pounds per Bushel)

GOLDEN BANTAM. The first of the yellow Sweet Corns to mature, and still the standard of quality for all Sweet Corns, although it has been in cultivation for nearly twenty years. From early plantings, Golden Bantam is ready for the table in 65 to 75 days, depending on the weather, and it may be planted for succession every week or ten days from the last of April up to mid-July. While the ears are small, averaging 5 to 6 inches in length on good soil, they surely are of unsurpassed flavor. The true type always has eight rows of broad, golden yellow grains. Golden Bantam thrives on a great variety of soils and in practically all sections of the country. It is uniformly prolific, producing two or more ears to the stalk. We offer a very select stock of the true Golden Bantam.



Howling Mob. A fine second-early

GOLDEN GIANT DELUXE. One of the largest following the Golden Bantam and Barden's Wonder Bantam. The stalks grow taller and the ears are 8 inches long with 16 to 18 rows of golden kernels. The quality is equal to Golden Bantam. It is a favorite sort in many sections for the market as well as for the home.

variety and is double the size of Golden Bantam and only a few days later. The ear is 7 to 8 inches long and carries 12 to 16 rows of large kernels. Stalks are quite tall and often produce two ears.

WHIPPLE'S EARLY YELLOW. This is another new yellow

BLACK MEXICAN. A second-early Sweet Corn with bluish black grains when ripe. In the eating stage, before the kernels begin to show any color, it is of superlative quality, with a rich, almost "musky" flavor.

THE CHOICEST WHITE SWEET CORN

While the yellow varieties of Sweet Corn have made rapid strides in popular favor, the white sorts offered below are still considered the standard and will continue to be so for some years to come. We offer a comprehensive assortment of quality kinds maturing in succession. Of course, quality in an extra-early variety should not be measured by the same standards as that of the later varieties. However, we do not offer a single variety which has not one good characteristic or another.

EARLY MAYFLOWER. Very similar to Mammoth White Cory, and a popular variety in some sections.

STOWELL'S EVERGREEN. An old favorite, the standard late Sweet Corn. Remains fit for use a long time.

HOWLING MOB. A splendid second-early, producing large ears of handsome appearance and the very finest quality. Vigorous and productive; ears 9 to 10 inches long and 16-rowed; a trifle later than Kendel's Giant. The best second-early for the home-garden and a fine Corn for every purpose.

COUNTRY GENTLEMAN. The well-known "shoe-peg" Corn, noted for its superb quality. Good-sized ears densely filled with long, narrow kernels, which are irregularly placed on the small cob. Ready at the same time as Stowell's.

MAIN-CROP and LATE SWEET CORNS

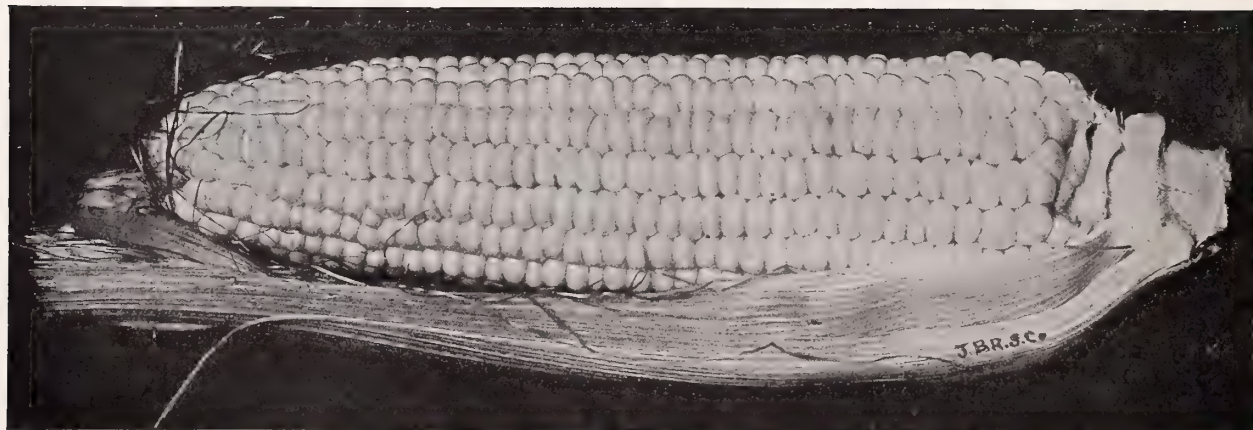
EARLY MAMMOTH. A few days earlier than Late Mammoth; ears as long but more tapering.

LATE MAMMOTH. The largest variety of Sweet Corn; ears 10 to 12 inches long, with 16 or 18 rows of broad grains of delicious flavor.

WHITE EVERGREEN. The finest strain of Stowell's Evergreen in cultivation. Very productive; ears exceedingly uniform, 9 inches long and 16-rowed; kernels a trifle broader and whiter than those of Stowell's. Quality is extra-fine.

CORN		Bu.						
Sugar or Sweet	Pkt.	½ lb.	1 lb.	2 lb.	5 lb.	10 lb.	50 lb.	
Golden Bantam	\$.10	\$.20	\$.30	\$.50	\$1.10	\$2.00	\$7.00	
Golden Gt. Deluxe	.10	.20	.30	.50	1.10	2.00	8.00	
Whipple's Erly. Yel.	.10	.20	.30	.50	1.10	2.00	8.00	
Black Mexican	.10	.20	.30	.50	1.10	2.00	8.00	
Early Mayflower	.10	.20	.30	.50	1.10	2.00	7.50	
Howling Mob	.10	.20	.30	.50	1.10	2.00	7.50	
Early Mammoth	.10	.20	.30	.50	1.10	2.00	7.00	
Late Mammoth	.10	.20	.30	.50	1.10	2.00	7.50	
White Evergreen	.10	.20	.30	.50	1.10	2.00	7.00	
Stowell's Evergr'n.	.10	.20	.30	.50	1.10	2.00	7.00	
Country Gentleman	.10	.20	.30	.50	1.10	2.00	8.00	

FIELD CORN—See Page 35



White Evergreen. The late quality standard



THE CHOICEST CUCUMBERS

Sow any time after Decoration Day, in hills about 3 feet apart each way, scattering about 8 to 10 seeds to a hill, and covering them lightly. As soon as seedlings appear, be on the lookout for the little striped beetle which is a ravenous feeder and will destroy a Cucumber patch within a week if not combated. Slug-Shot is perhaps the most popular remedy to sprinkle on the seedling plants. When these form the third pair of leaves, the danger of insect pests is generally past, and the plants should be reduced to three of the strongest per hill. From the time that the vines begin to run, to the time you begin gathering the Cucumbers, the patch should be disturbed as little as possible. One ounce of seed will plant about 100 hills.



Davis Perfect Cucumbers

BLACK SPINE CUCUMBERS

IMPROVED LONG GREEN. Leading long sort, and excellent for pickles.

JAPANESE CLIMBING. Fruits almost straight, large and from 12 to 16 in. long; skin dark green; flesh thick. A profitable variety as it can be trained on walls or trellises.

CUCUMBER	Pkt.	Oz.	4 oz.	1 lb.
Longfellow	.10	\$.20	\$.50	\$1.25
Earliest of All	.10	.20	.50	1.25
Arlington White Spine	.10	.15	.40	1.00
Early Fortune	.10	.15	.40	1.00
Davis Perfect	.10	.15	.40	1.00
Henderson's Perfected White Spine	.10	.15	.40	1.00
Fordhook Famous	.10	.15	.40	1.00
Forcing White Spine	.25	1.00	3.00	...
Snows Perfection pickle	.10	.15	.40	1.00
Everbearing	.10	.15	.40	1.00
Jersey Pickling	.10	.15	.40	1.00
West Indian Gherkin	.10	.25	.75	...
Improved Long Green	.10	.15	.40	1.00
Japanese Climbing	.10	.20	.60	1.50
Improved Telegraph, 25 seeds	.50	..	..	..
Worthing Favorite, 25 seeds	.50	..	..	..
Lockie's Perfection, 25 seeds	.50	..	..	..

PICKLING VARIETIES

More compact in habit of growth than the White Spine type, forming more leaf joints and bearing fruits of a shorter or more blocky shape. The plants are exceedingly free-flowering and, there being plenty of pollen available, the young fruits are set quite freely. Where the object is an abundance of small pickles, the varieties listed below deserve your preference. Where Cucumbers are wanted for slicing and pickling, any of the White Spines described opposite should be grown.

SNOW'S PERFECTION PICKLE. The best-formed and productive pickling sort; early, small square-ended and dark green.

EVERBEARING. One of the best producers of large quantities of handsome pickles. If picked regularly, vines will bear a long time.

JERSEY PICKLING. Wonderfully productive; deep green; small and uniform in size.

WEST INDIA GHERKIN. Small, rough, prickly fruits, used for pickling.

ENGLISH FRAME CUCUMBERS

These varieties are grown in hotbeds or houses where the temperature does not fall below 65 degrees at night. The fruits are long, and handsome, frequently growing 20 to 30 inches long.

Improved Telegraph Worthing Favorite
Lockie's Perfection

WHITE SPINE TYPE

In this class we find the most popular varieties since they are suitable for both slicing and growing pickles. The sorts offered below vary largely in season of bearing and size of fruit.

LONGFELLOW. This remarkably fine outdoor variety produces long, slender, dark green Cucumbers that have the appearance of, and command the same high market prices as fine-quality hothouse Cucumbers. The fruits are at perfection when 10 inches long and 2 inches in diameter, and when near full maturity are from 12 to 14 inches long and 2½ inches in diameter. Longfellow is a White Spine type but is very smooth, evenly surfaced, and almost entirely colored a rich very dark green. They are ideal for packing in fancy flat boxes and retain their dark green color when shipped to distant markets. On account of the vigorous habit of this variety, it is less subject to plant-diseases than many other sorts. The vines are quite productive.

EARLIEST OF ALL. The earliest White Spine Cucumber and very prolific. The fruits grow 7 inches long, very full and uniform in shape, with blunt ends and good deep green color, and are produced in profusion at least a week ahead of any of the other White Spine varieties.

ARLINGTON, or Improved White Spine. Prolific and early; fruits smooth, about 7 inches long, rounded at both ends and of a bright deep green color; used for forcing, and for outdoor culture.

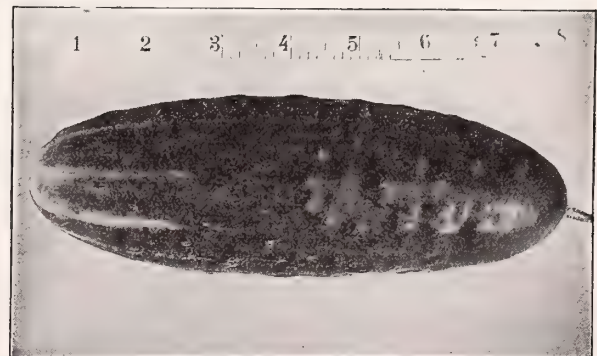
EARLY FORTUNE. Fruit very dark green, uniformly cylindrical in shape, and about 9 inches long. Flesh thick, fine-grained, crisp, and of fine quality. Extra-early, disease-resistant and extremely productive. Retains its color for a long time; a good shipper and very profitable market variety.

DAVIS PERFECT. Fruit long and slim, tapering at both ends; color rich, dark glossy green, retaining this color until nearly ripe; flesh is tender, crisp, and of fine flavor; few seeds. Very early and a splendid forcing variety.

HENDERSON'S PERFECTED WHITE SPINE. A heavy-bearing main-crop sort, with round thick square-ended fruits, 8 inches long. Good dark color.

FORDHOOK FAMOUS. The largest of the White Spine family. Fruits 14 inches long, smooth, and dark green; very productive.

FORCING WHITE SPINE. A select strain particularly adapted for culture under glass.

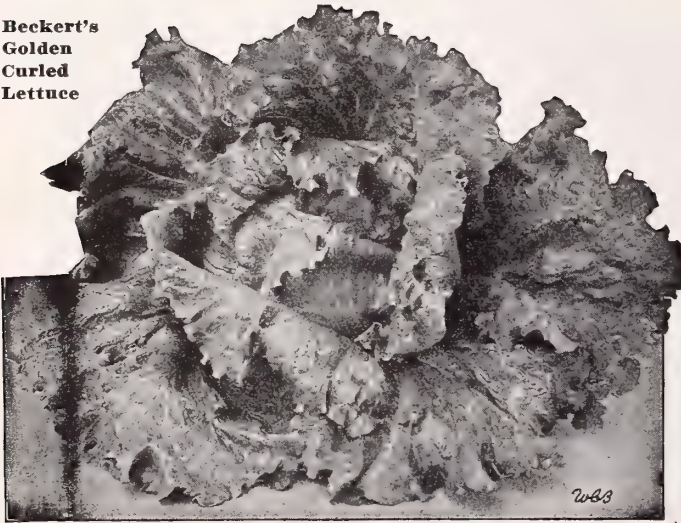


Early Fortune Cucumber



LETTUCE

Beckert's Golden Curled Lettuce



BECKERT'S GOLDEN CURLED. (See illustration.) The best Lettuce in its class for spring and early summer crops. It grows rapidly and forms immense loose heads of tender curled leaves.

EARLY BUTTERHEAD LETTUCES

These varieties are good for both very early spring and fall sowing. They are quick growers, requiring cool weather for their best development. Make the first sowing as soon as the ground can be prepared in the spring and, for a fall crop, sow again after the middle of July.

MAY KING. Equally fine for forcing and outdoors; of medium size and practically all head; yellowish green in color with the heart blanched to a rich golden yellow.

WHITE BOSTON. Days to maturity 75 to 80. This variety is of great importance to our trade. Every precaution has been taken to insure the purity of our strain. Its brilliant green market appearance is, no doubt, responsible for the consistently high price it commands on the market. We know of no finer strain. Does well in spring and fall.

WAYAHEAD. A very rapid grower and a sure header. It produces handsome, medium-sized, solid heads of the finest quality. Fine for the home-garden.

BLACK-SEEDED BIG BOSTON. A variety somewhat similar to Big Boston. Forms large, solid heads; crisp and tender; slow to seed.

ALL-HEART. A select strain of the variety, also known as Salamander and Black-seeded Tennisball. Although it is very early and a splendid spring Lettuce, it might also be classed as a mid-season sort for it resists heat well and will head under very unfavorable conditions.

CRISPHEAD LETTUCE

ICEBERG. The earliest and one of the largest headers in its class. Ready in about 65 days from sowing. The heads are solid, 6 to 8 inches in diameter, very crisp and tender. A fine hot-weather Lettuce for the home-garden.

HANSON. A very reliable variety under all conditions. Large heads with light silvery green leaves; sweet and crisp. Good for both market and home-garden.

NEW YORK or WONDERFUL. The most popular Lettuce of its type; grown in enormous quantities for market. Large heads, requiring about 80 days to reach full size; outer leaves deep green, heads hard and blanched white within; crisp and of finest flavor. Our stock is extra-fine.

CRISP-AS-ICE. A very compact, bronze-green sort, of delicious flavor and great hardness.

The first sowing of Lettuce may be made outdoors about the middle of April, at which time the loose-leaf or early butterhead varieties do best. Sow the seed in rows 2 feet apart and the seedlings should be thinned out as soon as they are about 2 inches tall to stand 3 to 4 inches apart in the row. As they transplant readily, the seedlings in thinning may be reset in another part of the garden. As the plants develop and begin to touch each other, remove every other one and continue to thin as needed until the plants stand 14 to 18 inches apart and you can get between them with the hoe. For succession, plant the late butterhead or crisphead varieties. A half-ounce of Lettuce seed will sow 100 feet of row and produce about 1,500 plants.

LETTUCE	Pkt.	1 oz.	¼ lb.	1 lb.
Beckert's Golden Curled	\$.10	\$.30	\$1.00	\$2.50
Beckert's Brown Curled	.10	.30	1.00	2.50
Black-Seeded Simpson	.10	.20	.50	1.25
Early Curled Simpson	.10	.20	.50	1.25
The Morse	.10	.20	.60	1.50
Grand Rapids Forcing	.10	.20	.50	1.25
May King	.10	.20	.60	1.50
White Boston	.10	.30	1.00	2.50
Wayahead	.10	.20	.60	1.50
Black-Seeded Big Boston	.10	.20	.60	1.50
All-Heart	.10	.20	.60	1.50
Iceberg	.10	.20	.60	1.50
Hanson	.10	.20	.60	1.50
New York or Wonderful	.10	.30	1.00	2.50
Crisp-As-Ice	.10	.30	1.00	2.50

LOOSE LEAF VARIETIES

BLACK-SEEDED SIMPSON. A rapid grower, standing heat and drought well and forming large bushy plants. The leaves are light yellowish green, much crumpled and fringed, crisp and of best quality. Always reliable.

BECKERT'S BROWN CURLED. This Lettuce is very much like Beckert's Golden Curled, except in color. The leaves are deeply tinged with reddish brown and of the best quality.

EARLY CURLED SIMPSON. A favorite home-garden Lettuce, growing quickly and producing broad, light green leaves, crumpled and fringed, of fine quality. Often sown broadcast and the leaves cut when quite young.

THE MORSE. A vigorous grower, suitable for forcing as well as outdoors. It makes good-sized, compact clusters of crisp, tender, somewhat crumpled leaves, light green outside and blanched to a beautiful light yellow in the center.

GRAND RAPIDS FORCING. The leading variety in its class for forcing and also a good variety for extra-early outdoor gardening. Grand Rapids forms large, loose bunches of thin, bright green leaves, finely crumpled and fringed, handsome in appearance and of very good quality. Our stock of this fine Lettuce is extra choice.



Grand Rapids Forcing



LETTUCE—MIDSEASON BUTTERHEADS

ALL SEASONS. Easily the most reliable midsummer Butter-head Lettuce. It even surpasses in "standing" qualities some of the crisphead Lettuces described on Page 16. Fully developed heads average 10 to 12 inches in diameter, and, while the outside leaves are a rather dull green, the inside of the heads blanches to a most appetizing yellow.

MAMMOTH BLACK-SEEDED BUTTER. Enormous heads of broad, crumpled leaves. Good early or late but, being very heat-resistant, it is particularly valuable as a summer Lettuce and its quality is excellent even in the hottest weather.

UNRIVALED SUMMER. Makes large, compact buttery heads of fine quality. Resembles Big Boston but is suitable for planting at all seasons.



Iceberg Lettuce

LETTUCE	Pkt.	1 oz.	¼ lb.	1 lb.
All Season	\$.10	\$.20	\$.60	\$1.50
Mammoth Black-Seeded Butter..	.10	.20	.60	1.50
Unrivald Summer .....	.10	.25	.75	2.25
Cos—Romaine or Trianon.....	.10	.20	.60	1.50
LEEKS				
American Flag .....	.10	.25	.75	2.50
Large Carentan .....	.10	.25	.75	2.50
KOHLRABI				
Extra-Early White Vienna .....	.10	.25	.75	2.50
Early Purple Vienna .....	.10	.25	.75	2.50
White Goliath .....	.10	.25	.75	2.50

COS LETTUCE

Also known as Celery Lettuce and Romaine Salad. They produce loose heads of long, narrow leaves which are blanched by tying them together at the top.

TRIANON or PARIS WHITE FOLDING A very heat-resistant variety. Long, sugar-loaf-shaped heads of very superior quality.

LEEKS

Leeks, as a salad, are simply delicious. Boil the white part of the stalks until tender. Then cool and cut into 2-inch pieces; add French salad dressing and serve moderately cold. Used also for seasoning soups and boiling with meats.

The seed, which proves Leeks a member of the onion family, should be sown in hotbeds in early spring, and the seedlings transplanted later to the open ground, 4 to 6 inches apart, in rows from 12 to 15 inches apart. For winter supply sow seed in the open ground in early spring, and thin the seedlings until they have room for development, or transplant them as above. Store like celery for winter. An ounce of seed will sow about 100 feet of drill.

AMERICAN FLAG. The variety most extensively cultivated. Stalks early and large.

LARGE CARENTAN. Stalks thick and short; hardy and mild-flavored.



American Flag Leek.
A great delicacy



Early Purple Vienna Kohlrabi

KOHLRABI or TURNIP-ROOTED CABBAGE

Very palatable when prepared for the table like turnips. Kohlrabi, however, is way ahead of turnips in quality, while young. Besides, it keeps better on account of its thick skin. The best time to use Kohlrabi is when the roots average 2 to 2½ inches in diameter. If the weather is favorable, the seed should be sown in April, in rows 18 inches apart, and the seedlings thinned to stand 4 to 6 inches apart. They are fit for use when 2 to 3 inches in diameter. For late crops, sow seed in June or July. An ounce of seed will produce 2,500 plants.

EXTRA-EARLY WHITE VIENNA. The earliest variety. The plants grow rapidly and mature fine, round, white bulbs, with tender and delicately flavored flesh. This is an excellent, forcing strain with very small foliage.

EARLY PURPLE VIENNA. Supposed to resist heat better than the White Vienna. Bluish purple roots; flesh white and tender. A very reliable sort.

WHITE GOLIATH. A heat resisting variety, producing large bulbs of good quality.



EGGPLANT

Sow the seeds in hotbeds in early March, and transplant to small pots, to make them strong and stocky. They should not be planted out until May or June, when the weather becomes warm and settled. Set the plants in rows 3 feet apart each way and give them thorough cultivation. An ounce of seed will produce 1,000 plants. Rich soil is necessary to grow good Eggplants. It pays to dig a shovelful or two of old manure in each hill when setting out the plants.

BLACK BEAUTY. Fruit broad and thick; lustrous purplish black in color; very productive; of excellent quality.
NEW YORK IMPROVED SPINELESS. A strong and productive sort. Fruits deep purple, large, smooth, free from thorns; flesh white, tender.

ENDIVE

This is an important fall and winter salad. For the early crop, the seed should be sown in April, in drills 15 inches apart, and the seedlings thinned to stand 12 inches apart in the rows. Sowings for the main crop may be made in June and July, as the vegetable is used principally in fall and winter. The inner leaves are blanched by tying the tips of the outer ones together, or by laying boards over the plants. An ounce of seed will sow 150 feet of drill.



Large Green Curled Endive

LARGE GREEN CURLED. (Ruffec). (See illustration.) Dark green leaves, beautifully curled and, when blanched, very crisp and tender; ready for use earlier than other sorts. Our strain is extra fine.

MOSS CURLED. This variety has very finely curled leaves; tender and excellent quality.

PANCALIER. A strong grower with heavy curled deep green leaves, an easy blanching variety.

WHITE CURLED. Has tender, curly leaves of silvery green. The inner leaves blanch themselves.

GIANT FRINGED. A very strong-growing variety. Broad stems and large white heart. Good for fall and winter. Fine in appearance and quality.

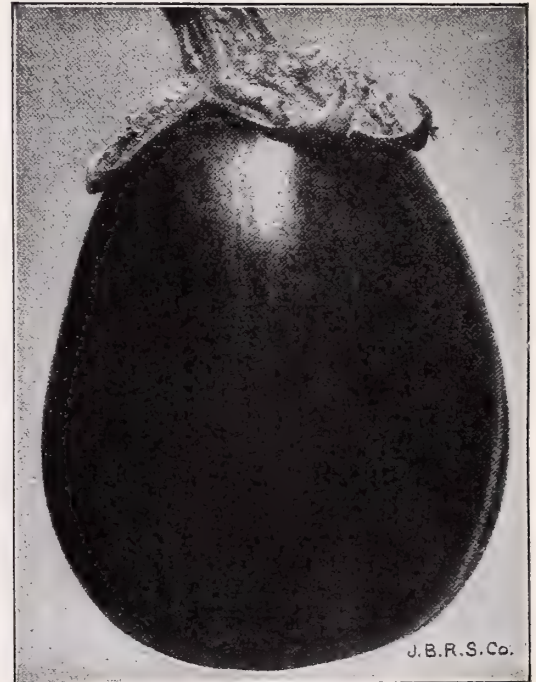
BROAD-LEAVED BATAVIAN (Escarolle). The broad, thick leaves make excellent salads when blanched.

HORSE-RADISH ROOTS

MALINER KREN or Bohemian. An improved variety that is free from disease, grows quickly and produces roots of enormous size.

KALE or BORECOLE

An ounce of seed will sow about 200 feet of drill.
DWARF GREEN CURLED SCOTCH. Seldom exceeds 18 inches in height, but rounds out to a diameter of 3 feet. The leaves are bright green, tender, and elegantly curled.
DWARF SIBERIAN. Very hardy. Generally sown broadcast, but can be sown in drills a foot apart in August. Leaves scalloped along the edges.



J. B. R. S. Co.

Black Beauty Eggplant

DANDELION

An early spring salad. Sow early in spring in drills 12 inches apart, and thin out to 6 inches in the row.
IMPROVED FRENCH THICK-LEAVED.

EGG PLANT	Pkt.	½ oz.	1 oz.	¼ lb.	1 lb.
Black Beauty	\$.10	\$.30	\$.50	\$1.50	\$5.00
N. Y. Improved Spineless ..	.10	.30	.50	1.50	5.00
ENDIVE					
Large Green Curled .....	.10	.15	.25	.75	1.50
Moss Curled .....	.10	.15	.25	.75	1.50
Pancalier .....	.10	.15	.25	.75	1.50
White Curled .....	.10	.15	.25	.75	1.50
Giant Fringed .....	.10	.15	.25	.75	1.50
Broad-Leaved Batavian ..	.10	.15	.25	.75	1.50
DANDELION					
Imp'd Fr'ch Thick-Leaved ..	.10	.40	.75	2.25	8.00
KALE					
Dw'f Green Curled Scotch ..	.10	..	.20	.50	1.25
Dwarf Siberian .....	.10	..	.20	.50	1.25
HORSE-RADISH ROOTS					
Maliner Kren, f.o.b. store	.50	2.25	15.00		



Dwarf Green Curled Scotch Kale

"Seeds You Can't Keep Down"



MUSKMELONS (Cantaloupes)

Muskmelon seed should not be planted outdoors until the ground has become warm and dry. The hills should be about 6 feet apart, and carefully prepared. Rich earth is far better for the young plants than manure; but, if the latter must be used, see that it is well rotted. Plant from 6 to 12 seeds in a hill. As soon as the vines begin to run, it pays to go over the patch and spray it with Bordo-Lead. The Bordo will counteract any blight while the Lead will effectively stop any foliage-eating beetles. Should the little seedlings be attacked by the little striped beetle, which is also a frequent visitor to the cucumber patch, sprinkle slug-shot over the seedlings. One ounce of seed will plant about 100 hills.

EXTRA-EARLY KNIGHT. Repeated trials have served only to confirm what we claimed for this splendid new Melon when we first offered it to our customers in 1920. It is the earliest, high-quality Melon for the northern states and can be depended upon to mature fine eating Melons when all other varieties fail. Under ordinary conditions, the first fruits will ripen in 90 days from the time the seed is sown. Extra-early Knight Melons are oblong in shape, averaging 6 inches long by 4 inches through, with very small seed cavities and thick, green flesh of a most delicious sugary and aromatic flavor. The skin is deep green, turning to golden at maturity, well covered with a close, gray netting and distinctly ribbed.

NETTED GEM. The original Rocky Ford Melon. A very prolific variety; small, oblong fruits deeply ribbed and well netted; small seed cavity; light green flesh of the very finest quality.

GOLD-LINED ROCKY FORD. An extra-select strain. Small, spherical fruits, very uniform in shape and size, smooth, showing no ribs and covered with a dense, gray netting. The meat is thick and sweet, green with a golden salmon lining next the seed cavity.

CHAMPION MARKET. This might be described as a glorified Rocky Ford—in size if not in quality. The fruits are nearly round, slightly ribbed and densely netted, averaging 6 to 8 pounds in weight. The thick, light green flesh is of delicious quality, which it maintains even after becoming over-ripe.

BENDER'S SURPRISE. A high-class melon of a very delicious flavor and sweetness. The flesh is deep orange and very thick. The large, oval-shaped coarsely but scantily netted melons often weigh from 10 to 15 pounds each. The flesh is so thick and the rind so firm that Bender's Surprise will keep perfectly for a week after picking and the flavor will actually improve.



Rocky Ford Muskmelon



Extra-Early Knight Muskmelon

HONEY DEW. This distinct Melon of the Casaba type will average 8 pounds in weight and 7 inches in diameter; rind smooth, without any netting, thin but tough; flesh light green and of a distinct honey-sweet flavor. An excellent shipping and keeping Melon.

MUSKMELONS (Cantaloupes)	Pkt.	Oz.	¼ Lb.	Lb.
Extra-Early Knight	\$.10	\$.20	\$.60	\$1.50
Netted Gem	.10	.20	.60	1.50
Gold-Lined Rocky Ford	.10	.20	.60	1.50
Champion Market	.10	.20	.60	1.50
Bender's Surprise	.10	.20	.60	1.50
Edward's New Perfecto	.10	.20	.60	1.50
Emerald Gem	.10	.20	.60	1.50
Extra-Early Osage	.10	.20	.60	1.50
Golden Champlain	.10	.20	.60	1.50
Hearts of Gold	.10	.20	.60	1.50
Paul Rose	.10	.20	.60	1.50
Tip-Top	.10	.20	.60	1.50

EDWARD'S NEW PERFECTO. Considered by all the large melon growers, as one of the finest salmon fleshed varieties ever grown.

EMERALD GEM. An old standby. Extra-early; slightly flattened in shape; distinctly ribbed and lightly netted; flesh deep salmon-orange, thick and very sweet. A fine Melon for home-gardens.

EXTRA-EARLY OSAGE. A week or ten days earlier than the old type of Osage, or Miller's Cream, slightly smaller but otherwise similar. The fruits are oval in shape, dark green, slightly ribbed and fairly netted; the flesh is exceedingly thick, rich orange in color, and of the highest quality.

GOLDEN CHAMPLAIN. One of the earliest and hardest, as well as one of the most productive and best quality Melons in cultivation. Fruits of medium size, and nearly spherical, with well-netted skin and deep golden flesh. Our seed comes direct from the originator.

HEARTS OF GOLD. Here is a fair sized melon, larger than Rocky Ford with distinct ribs and quite heavily netted. The rich golden flesh has a most excellent flavor and is very deep, having only a small seed cavity. It is recommended for home or market gardens, while as a shipper its popularity is increasing for the high quality is retained perfectly after traveling long distances.

PAUL ROSE. An old variety; oblong in shape and of good size; flesh solid and deep orange in color; stands shipping well.

TIP-TOP. The standard of quality in large-fruited salmon-fleshed Muskmelons. The fruits vary from round to oblong, ribbed and lightly netted; the flesh is deep yellow, very juicy but always firm and of delicious flavor.



WATERMELONS

Plant the seeds in large hills, well enriched with rotted manure, and keep a mulch of strawy manure over the hills to preserve the moisture in hot weather. Sow 10 to 12 seeds in a hill and thin the plants to 4 of the strongest in each hill. All possible protection should be given the young plants; dry ashes or coal-dust sprinkled over the leaves will prevent the attacks of insects. The hills may be 6 to 8 feet apart; do not disturb after the vines begin to run.

KLECKLEY SWEETS. This is one of the most popular of the oblong, dark green, main-crop Watermelons, and probably the finest flavored variety in cultivation. Kleckley Sweets average 20 inches in length by 10 inches in diameter. Flesh bright scarlet, with a solid heart, crisp and remarkably sweet.

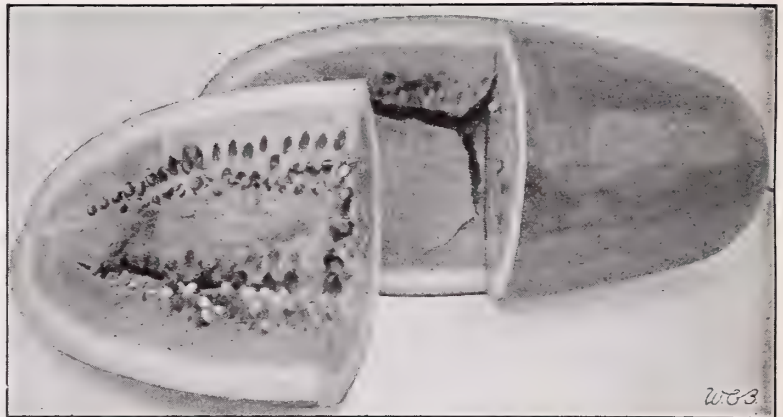
HALBERT HONEY. Resembles Kleckley Sweets in size, appearance and quality but is hardier and a better shipper.

TOM WATSON. The standard shipping Melon. Vigorous and productive, with large, long fruits; rind tough; flesh rich red, sweet and tender.

PEERLESS or Ice Cream. Fruit medium size, oval, bright green, finely veined; flesh bright scarlet, crisp, tender and sweet. A very productive Melon, good for all purposes.

EARLY FORDHOOK. This is the earliest of the really large Watermelons and the most satisfactory home-garden variety for this latitude.

RED-SEEDED CITRON. Used for preserves, etc.



Kleckley Sweets Watermelon

WATERMELONS	Pkt.	1 oz.	¼ lb.	1 lb.
Kleckley Sweets	\$.10	\$.20	\$.50	\$1.50
Halbert Honey .....	.10	.20	.50	1.50
Tom Watson .....	.10	.20	.50	1.50
Peerless or Ice Cream .....	.10	.20	.50	1.50
Early Fordhook .....	.10	.20	.50	1.50
Red-Seeded Citron .....	.10	.20	.50	1.50
MUSTARD				
Beckert's Perfection Plume ..	.10	.20	.40	1.00
Long Standing Thick Leaf...	.10	.15	.35	.75
Giant Southern Curled .....	.10	.15	.35	.75
White London .....	.10	.15	.35	.75
OKRA or GUMBO				
White Velvet .....	.30	.15	.40	.75
Long Green-Pod .....	.10	.15	.40	.75
MUSHROOM SPAWN				
Brk. 5 brk. 10 brk. 50 brk.				
Pure Culture Brick Spawn...	.30	1.25	2.50	10.50
Pure Culture Bottle Spawn....	qt. bot.	1.25; 12 qt.		12.00
Martynia .....	.10	.30	.50	...



Mushroom grown from Pure-Culture Spawn

MUSHROOM SPAWN

Few people realize how easy it is to grow Mushrooms, nor how extraordinarily tender and good fresh-pulled home-grown Mushrooms can be.

PURE-CULTURE BRICK SPAWN. White, Cream, and Light Brown, in bricks weighing 1¼ to 1½ lbs. each; one brick will spawn 8 square feet of bed.

PURE-CULTURE BOTTLE SPAWN. White, Cream, and Light Brown. This Spawn is very perishable and can be kept only in cold storage. Orders filled direct, f. o. b. factory.

Pamphlet on Mushroom Culture Free

MARTYNIA proboscidea. The seed-pods are excellent for pickling if gathered when tender and about half-grown. Sow the seed in May, in rows 3 feet apart, and thin the plants to stand 2 feet apart in the rows.

MUSTARD. The young and tender leaves of the Mustard are greatly relished as salads, or when cooked like spinach. The seed should be sown in shallow drills as early as the ground can be prepared in the spring.

BECKERT'S PERFECTION PLUME. Dark green leaves finely curled, of the very best quality. Rather dwarf in growth. Prolific and long standing.

LONG-STANDING THICK-LEAF or Elephant Ear. A strong-growing variety, producing extra-large leaves of a most appetizing pungency. May be sown either in early spring or in late summer for a fall crop.

GIANT SOUTHERN CURLED. Large curled leaves.

WHITE LONDON. Grown for both leaves and seed.

OKRA or GUMBO

Sow about the middle of May when the ground is warm, in hills about three feet apart; cover seed one-half inch and thin plants to three in a hill. Keep ground well hoed and earth up around the plants to support them. Gather pods while young and tender. Excellent for soups and stews, etc., to which they impart a rich flavor. One ounce will plant 100 hills.

WHITE VELVET or Creole. Long, smooth, tender pods, almost white.

LONG GREEN-POD. Strong-growing and productive; pods deep green.



Long Green-Pod Okra

"Seeds You Can't Keep Down"



BECKERT'S CHOICE ONION SEED

Sow the seeds thinly in rows 12 to 18 inches apart. As soon as the seedlings are 3 to 4 inches tall, thin them out to stand 3 to 4 inches apart in the row. Where sets are wanted, the seeds may, of course, be planted more thinly, and no thinning out is necessary. Frequent cultivation is as essential to success with Onions as is liberal fertilization. Should the bulbs in the fall prove rather slow in ripening down, break the tops. Before storing, the bulbs should be cured by giving the sun a good chance to thoroughly dry them for perhaps 48 hours. At the end of the first day, the Onions should be turned over so that the other side has a chance to dry off. One ounce of seed will sow a row 100 feet long. The exhibition varieties, such as Ailsa Craig and Gigantic Gibraltar, require an exceptionally long period to produce their extra-large bulbs, and seeds of them are generally sown in the hotbed by middle of March and seedlings are transplanted later in a well-prepared piece of ground.

YELLOW VARIETIES

YELLOW GLOBE DANVERS. The most widely grown sort in cultivation. Hand-some globe-shaped bulbs of good size, with thin yellow skin and mild, fine-grained, white flesh. A most reliable cropper, yielding 600 to 800 bushels per acre on good soil and with good culture; always satisfactory in the home-garden; a good keeper.

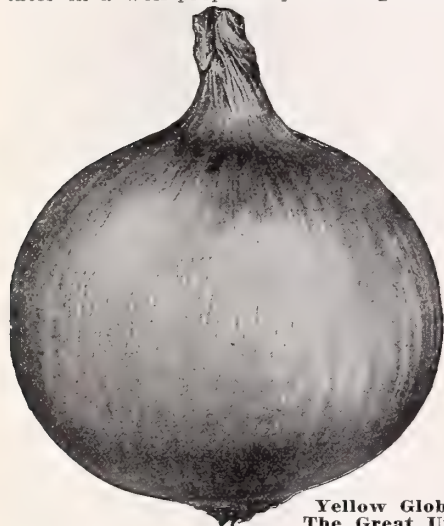
OHIO YELLOW GLOBE. A splendid keeping Onion developed by one of the Buckeye State's foremost Onion specialists. Within 100 days from sowing it perfects symmetrical, hard globes, averaging 2½ inches in diameter, slightly flattened at the bottom and larger than Yellow Globe Danvers. The flesh is fine-grained, very firm, and mild enough to make this one of the most desirable salad Onions. The skin is thin, and the necks are small and ripen down hard. A sturdy productive variety which we can highly recommend.

SOUTHPORT YELLOW GLOBE. A large, showy, globular or oval sort which grows rapidly, and quickly forms good-sized bulbs, suitable for using in a green state. Skin straw yellow; flesh white and of good quality. Full-grown Southport Globe Onions are uniform in size and shape, good keepers, and bring top prices at all times.

FLAT YELLOW DANVERS. Round, flat bulbs, growing to good size and ripening early; mild in flavor and keep well.

YELLOW DUTCH or Strasburg. Large, flattened bulbs; mild flavor; one of the best keepers. Grown largely for sets.

Other desirable Onions are described on page 22.



Yellow Globe Danvers
The Great Utility Onion

RED ONIONS

SOUTHPORT RED GLOBE. A big, handsome Onion, similar in every way to Southport Yellow Globe except in the color of the skin.

RED WETHERSFIELD. Bulbs flattened, growing to a large size; purplish red; strongly flavored. A splendid keeper for the home-garden.

ONIONS	Pkt.	½ oz.	1 oz.	¼ lb.	1 lb.
Yellow Globe Danvers	\$.10	\$.20	\$.35	\$1.00	\$2.50
Ohio Yellow Globe .....	.10	.20	.35	1.00	2.50
Southport Yellow Globe ....	.10	.20	.35	1.00	2.50
Flat Yellow Danvers .....	.10	.20	.35	1.00	2.50
Yellow Dutch or Strasburg ..	.10	.20	.35	1.00	2.50
Southport Red Globe .....	.10	.20	.35	1.00	2.50
Red Wethersfield .....	.10	.20	.35	1.00	2.50



A Field of Choice Onion Seed Grown for Beckert's Seed Store



Beckert's Seed Store

YELLOW ONIONS, Continued

PRIZETAKER. An American strain of the Giant Spanish Onion. Bulbs extra-large, round and handsome; rich yellow skin and mild, sweet, pure white flesh; a fair keeper and an enormous yielder.

GIANT GIBRALTAR. A type of Prizetaker, originally from France, generally grown for exhibition purposes. A close rival to Ailsa Craig described below. Attains immense size; flat-globular in shape; skin light straw color; flesh white, tender and mild; not a good keeper.

AILSA CRAIG. The famous exhibition Onion of England and valued highly for that purpose. By rigid selection it has been kept at a high standard of perfection and will produce bulbs of enormous size for anyone who will take the pains to start the seed early under glass and transplant the seedlings.

AUSTRALIAN BROWN. This takes the prize for being the best keeper among the Onions. The bulbs have been known to keep well from the fall of one year until May of the following year. Average size 2½ inches in diameter by 2 inches from top to bottom; flesh exceedingly fine-grained and solid; color of skin varies from yellowish to reddish brown, proclaiming this variety to be a hybrid between a yellow and red Onion. It inherits the mild flavor of the yellow kinds and the long-keeping qualities of the reds to a remarkable degree.

THE BEST WHITE VARIETIES

The White Onions are the earliest and the mildest in flavor, but only moderately good keepers.

WHITE PORTUGAL or Silverskin. A favorite, largely grown for sets and for pickling. Bulbs large, flat; skin white; flesh tender and sweet.

SOUTHPORT WHITE GLOBE. Similar to the Southport Yellow and Red Globes, and a good keeper for a white Onion. Grows rapidly.

CRYSTAL WAX. An early variety of medium size, the skin is thin and the flesh white and waxy, very early.

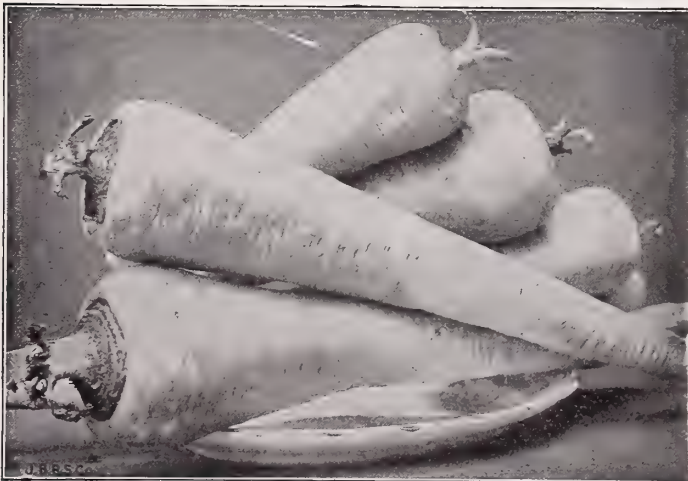
WHITE BUNCH. For using when young, producing large, showy, white Onions of fine quality in a remarkably short time.

ONION SETS

Extra Selected Stock. (Prices variable)

WHITE. For early use.

YELLOW. (Legal bushel, 32 lbs.)



Hollow-Crown Parsnips



Prizetaker Onion

ONIONS	Pkt.	½ oz.	1 oz.	¼ lb.	1 lb.
Prizetaker	\$.10	\$.20	\$.35	\$1.00	\$2.75
Giant Gibraltar	.15	.30	.50	1.50	4.00
Ailsa Craig	.15	.30	.50	1.50	4.00
Australian Brown	.10	.15	.25	.90	2.25
White P'gal or Silverskin	.10	.25	.40	1.00	3.00
Southport White Globe	.10	.25	.40	1.00	3.00
Crystal Wax	.10	.25	.40	1.10	3.50
White Bunch	.10	.25	.40	1.00	3.50
ONION SETS	Qt.	Pk.			
White	.20	1.25			
Yellow	.15	1.00			
PARSLEY	Pkt.	1 oz.	¼ lb.	1 lb.	
Champion Moss-Curled	.10	.15	.35	.75	
Dwarf Extra-Curled	.10	.15	.35	.75	
Plain Leaved	.10	.15	.35	.75	
Hamburg Turnip-Rooted	.10	.15	.35	.75	
Hamburg Parsnip-Rooted	.10	.15	.35	.75	
PARSNIPS					
Long Sm'th Hollow-Crown	.10	.15	.35	.75	
Short Thick	.10	.15	.35	.75	

PARSLEY

Much used for garnishing and flavoring soups, stews, etc. The seed is slow to germinate, and should be sown as early as possible, in drills 12 inches apart, thinning the plants to 4 to 6 inches apart in the rows.

CHAMPION MOSS-CURLED. Leaves bright green, finely cut, and beautifully curled.

DWARF EXTRA-CURLED. Dwarf, with finely curled leaves. Quite decorative, as well as savory; much used for garnishing.

PLAIN-LEAVED. Best for flavoring; very hardy.

HAMBURG TURNIP-ROOTED. Grown for its roots, which are used in stews and soups. Thin out when young and cultivate like Carrots. Roots elongated turnip-shape.

HAMBURG LONG, or Parsnip-rooted. Roots long and slender; matures late and grows to a large size.

PARSNIPS. Sow the seed in drills 15 inches apart, as early as possible in spring, and thin the plants to stand 5 or 6 inches apart in the rows. The flavor of the roots is improved by frost. In winter cover them heavily with manure or litter. An ounce of seed will sow 100 feet of drill; 5 pounds to an acre.

LONG, SMOOTH HOLLOW CROWN. Tender and sweet; always good and in demand.

PARSNIP, Short Thick. This attractive little parsnip makes a fine garden and bunch vegetable. Fully a month earlier than Hollow Crown and often reaches full size in 100 days from planting time. The roots fill out at an early stage and can be pulled for home use long before they reach full maturity. The quality is excellent, roots are free from strings or woody fiber, makes a splendid bunch vegetable for market gardeners.



PEPPERS

In the latitude of Pittsburgh, sow the seed in hotbeds in early March. Thin out or transplant the seedlings when they are 2 inches high, giving them plenty of room, to develop sturdy plants. When the weather is settled and the soil warm, transfer them to the open ground, setting them about 2 feet apart in rows 3 feet apart. A rich, mellow, well-drained soil is best. The fruits are used in both the green and ripe stages for making all sorts of pickles. The large-fruited varieties are desirable for stuffing. An ounce of seed will produce about 1,000 plants.

BECKERT'S WONDER. This pepper combines the fine quality of the Pimiento and the size of Giant Crimson, with a thickness of flesh heretofore unknown in any variety of Pepper. The plants are sturdy and very productive, bearing from five to nine large fruits at a setting. The fruits showing flesh three-eighths of an inch thick, of the finest quality sweet and crisp entirely free from pungency.

HARRIS' EARLY GIANT. Large and early. 5 inches high and 3½ inches through. Deep green turning to red. Sweet and pleasant.

CRIMSON BEAUTY PIMIENTO. Is the sweetest of all sweet Peppers without any trace of pungency. The fruits are of good size heart-shaped and smooth.

EARLY NEAPOLITAN. The earliest of the large fruited sorts and the most productive. Unsurpassed for pickling, the plants carry immense crops.

HARRIS' EARLIEST. Where the seasons are short, this is the only large-fruited Pepper which can be relied upon to produce a good crop. We recommend it to all who have not been able to mature Peppers heretofore.

RUBY KING. Following closely after Neapolitan, Ruby King produces a fine crop of large sweet Peppers. The flesh is thick, sweet, and mild.

RUBY GIANT or Worldbeater. The result of a cross between Ruby King and Chinese Giant; fully as early and productive as Ruby King, while the fruits approach those of the Chinese Giant in size.

CHINESE GIANT. A real Giant of the pepper family with thick fleshy fruits, bright red in color and very mild and sweet in flavor.

CRIMSON GIANT. Said to have been developed from a cross between Chinese Giant and Bull Nose. Early and, like Bull Nose, very prolific; deep green ripening to bright crimson.

BULL NOSE or Large Bell. A widely grown, standard variety for market. Extremely prolific; fruits of good size very thick and blocky; flesh usually sweet but becomes very hot in dry seasons.

GOLDEN QUEEN. A large, sweet Pepper which ripens bright yellow instead of red. Fruits like Bull Nose; thick-fleshed and very sweet.

RED SQUASH. Sweet and prolific; small, round, thick-fleshed and sweet pods.



Beckert's Wonder Pepper

ANAHEIM GIANT CHILI. Seven to 9 inches in length, and from 1 to 1¼ inches thick, tapering to a blunt point. Brilliant scarlet. This Pepper is pungent, although not quite as hot as Long Red Cayenne.

LONG RED CAYENNE. Pods 4 to 6 inches long, bright red, and very hot. Prolific.

SMALL RED CHILI. Pods 2 inches long, conical, scarlet, very pungent.

SWEET MOUNTAIN. Fruits 6 inches long by 4 inches thick. Shining deep green when young and a handsome red when ripe.

HUNGARIAN LONG HOT BANANA. Pale green, very solid, about 6 in. long and 2 in. thick, turning waxy yellow and finally red when ripe, grown by all large market growers, especially for the Italian trade.

MAGNUM DULCE. One of the largest Sweet Peppers grown, flesh thick and sweet. Square and blocky in shape, very productive.

PUMPKINS

SMALL SUGAR. Ten to 12 inches in diameter, almost round and slightly ribbed; flesh sweet; skin deep bronzy yellow. The favorite variety for pies and a good keeper.

WINTER LUXURY, or Pie Squash. Round, golden yellow, netted; flesh very rich; a fine keeper. Finest pie Pumpkin and a great favorite in the home patch.

JAPANESE PIE. Large crookneck, deep green with darker stripes; flesh yellow and sweet; early.

MAMMOTH GOLDEN CUSHAW. The Cushaw or Jonathan Pumpkins are big, crooknecked varieties with thin, tough rinds and thick flesh of extra-fine quality for pies.

MAMMOTH KING. The largest Pumpkin grown, often attaining a weight of 100 pounds. Flesh close-grained and of fine flavor; skin golden yellow.

LARGE CHEESE. Large, somewhat flattened with creamy yellow skin and flesh; good quality.

CONNECTICUT FIELD. The common field Pumpkin; largely grown in corn for feeding to stock, but suitable also for pies. Orange skin and bright yellow flesh.

GOLDEN OBLONG. A long, cylindrical Pumpkin with bright yellow flesh of extra-fine quality.

WHITE CUSHAW.

GREEN STRIPED CUSHAW.

PEPPERS	Pkt.	½ oz.	1 oz.	¼ lb.	1 lb.
Beckert's Wonder	\$.15	\$.35	\$.60	\$1.75	\$6.00
Harris Early Giant	.10	.30	.50	1.50	5.00
Crimson Beauty Pimiento	.10	.30	.50	1.25	4.00
Early Neapolitan	.10	.30	.50	1.25	4.00
Harris' Earliest	.10	.30	.50	1.25	4.00
Ruby King	.10	.30	.50	1.25	4.00
Ruby Giant or World Beater	.10	.30	.50	1.25	4.00
Chinese Giant	.10	.35	.60	1.75	6.00
Crimson Giant	.10	.30	.50	1.25	4.00
Bull Nose or Large Bell	.10	.30	.50	1.25	4.00
Golden Queen	.10	.35	.60	1.75	6.00
Red Squash	.10	.30	.50	1.50	5.00
Anaheim Giant Chili	.10	.35	.60	1.75	6.00
Long Red Cayenne	.10	.30	.50	1.25	4.00
Small Red Chili	.10	.30	.50	1.25	4.00
Sweet Mountain	.10	.30	.50	1.25	4.00
Hungarian Long Hot Banana	.10	.40	.75	2.00	7.00
Magnum Dulce	.10	.40	.75	2.00	7.00
PUMPKINS					
Small Sugar	.10	.15	.40	1.00	
Winter Luxury	.10	.15	.50	1.25	
Japanese Pie	.10	.15	.50	1.25	
Mammoth Golden Cushaw	.10	.15	.50	1.25	
Mammoth King	.10	.15	.50	1.25	
Large Cheese	.10	.15	.40	1.00	
Connecticut Field	.10	.15	.35	.90	
Golden Oblong	.10	.15	.40	1.00	
White Cushaw	.10	.15	.50	1.25	
Green Striped Cushaw	.10	.15	.50	1.25	



PEAS

For best results with Peas it is essential to get an early start. The smooth-seeded varieties, being extra-hardy, may be planted as early in the spring as the soil can be prepared for them, often as early as the latter part of March. Wrinkled Peas are not so hardy as the smooth sorts, but they will stand a good deal of cold and wet and may be started early in April. Sow the seed in drills 2 to 3 inches deep, making the rows 2 to 4 feet apart, according to variety, taller Peas requiring more room than dwarf ones. The dwarf varieties do best on a heavy and moderately rich soil while the tall sorts seem to prefer rather thin ground. Peas that make vines over 2 feet high should be supported with brush, chicken wire, old fish-net or on strings 6 inches apart stretched between posts set at the ends of the rows. Tall-growing Peas are frequently grown in double rows 6 or 8 inches apart with the support between. Do not grow Peas against a fence or wall as they like to be out in the open where the air can circulate through the vines.

EXTRA-EARLY SMOOTH SEEDED SORTS

(60 pounds to bushel)

These are extra-early and hardy so may be sown 10 to 14 days before it is safe to put the more tender wrinkled Peas in the ground. They are somewhat inferior in quality, however, and must be gathered as soon as ready, for they lose their flavor quickly.

Beckert's First and Best

This is an extra-early, very productive variety. The pods are short but well filled. Grows 30 inches high. An ideal variety for the home garden.

ALASKA. A select strain of the old favorite for early market and canning. Maturing a few days after Early Eight Weeks, it bears a large crop of pods which are small but well-filled with Peas of fair quality. The crop is very uniform and is usually gathered in one picking.

EARLY WRINKLED PEAS

(1 1/4 lb. to a quart; 56 lb. to a bushel)
Although not so hardy, these are more tender than the smooth-seeded kinds and much superior in flavor.

PRESIDENT WILSON. A splendid half dwarf early Pea with a flavor surpassed by none. Do not require staking. Pods are dark green 4 1/2 to 5 inches long and usually contain 8 large peas. Easily picked as pods are borne on upper half of plants.

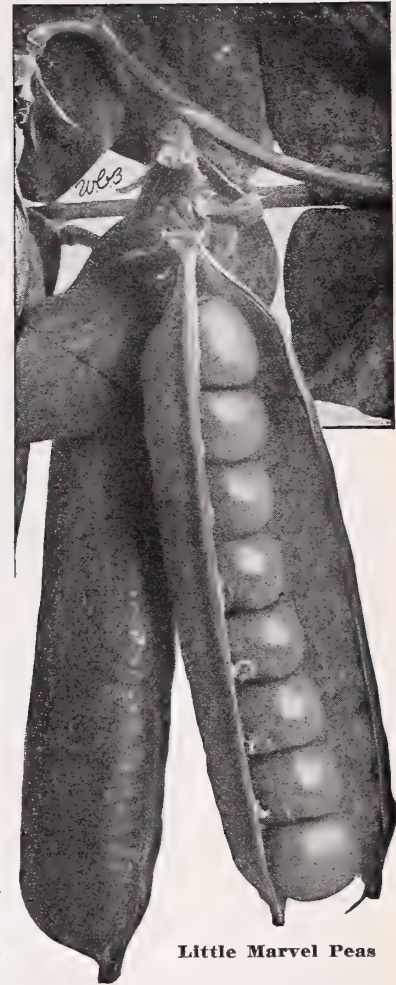
WORLD'S RECORD. The earliest strain of the well-known Gradus or Prosperity Pea, and a thoroughbred in every way. Does not grow quite so tall as Gradus but is more productive, bearing pods 3 1/2 inches, containing 7 to 9 Peas of superb quality. Beckert's strain of World's Record Peas comes on the market 3 or 4 days ahead of any other wrinkled Pea and is in tremendous demand with our critical market-gardener customers.

GRADUS, Prosperity, or Extra-Early Telephone. A very dependable and productive variety; with the exception of World's Record, the earliest of the wrinkled Peas. Vines 3 feet tall and robust; pods about 4 inches long, broad and pointed, medium green in color; quality excellent.

BLUE BANTAM. A new dwarf, extremely early variety, very productive, vines 15 inches high, bearing large, well-filled pods of deep green Peas. Eight to ten Peas to a pod.

THOMAS LAXTON. Those who appreciate genuine quality in Peas will find all they desire in Thomas Laxton. It closely resembles Gradus in season, productivity and all other respects, except that the pods are a trifle narrower, more blunt-pointed and always packed to the tip with Peas of superb flavor. It is one of the sorts we particularly recommend to the home-gardener.

LITTLE MARVEL. A splendid dwarf early Pea of fine quality, in season a few days later than Gradus or Thomas Laxton. Vines 15 inches tall, bearing a remarkably large crop of pods which average 3 1/2 inches long and are literally filled to bursting with sweet, dark green Peas of the largest size. Since it requires no brush or other support, and is such a reliable producer, it is one of the most popular sorts in the home-garden.



Little Marvel Peas



Beckert's World's Record Peas

PEAS	Pkt.	1 lb.	2 lb.	5 lb.	10 lb.	Bu. 56 lb.
Beckert's First and Best (60 lb. Bu.)	\$.10	\$.35	\$.65	\$1.35	\$2.00	\$10.00
Alaska (60 lb. Bu.)	.10	.35	.65	1.35	2.00	10.00
World's Record	.10	.35	.65	1.35	2.00	10.00
Gradus or Prosperity	.10	.35	.65	1.35	2.00	10.00
Blue Bantam	.10	.35	.65	1.50	2.25	11.00
Thomas Laxton	.10	.35	.65	1.35	2.00	10.00
Little Marvel	.10	.35	.65	1.50	2.25	11.00
President Wilson	.10	.35	.65	1.50	2.25	11.00

"Seeds You Can't Keep Down"



EARLY WRINKLED PEAS, continued (56 Pounds per Bushel)

LAXTONIAN. The largest podded of the early dwarf varieties; a vigorous, productive sort, extensively grown to succeed World's Record as it produces its crop about a week later in this section. Vines 1½ feet high, requiring no support; broad pods 4 inches long, filled with large, dark green Peas of superb quality.

PIONEER. Similar to Laxtonian except that the pods and vines are a trifle lighter in color. Considered by some to be a little hardier but not quite so fine in quality.

SUTTON'S EXCELSIOR. Follows in season immediately after Laxtonian, and a little more vigorous in vine. Pods 3½ inches long, containing 7 or 8 bright green Peas of very fine quality. A favorite for market in many sections.

MAIN-CROP and LATE PEAS

These bear later than the kinds described above, but they yield larger crops of bigger pods, have a longer season of bearing, and are unsurpassed in quality.

POTLATCH. A very prolific dwarf, large-podded Pea, bearing its first crop 10 days after Sutton's Excelsior and producing at least two good pickings. Vines strong and vigorous, 2 feet tall; pods dark green, 5 inches long and very broad, containing 8 to 10 large Peas of unexcelled quality.

DWARF CHAMPION. A popular main-crop Pea for the home-garden as it can be grown without support. Vines 2 to 2½ feet in height; pods 4 inches long; Peas large, dark green in color, and of fair quality; quite productive. A trifle later than Potlatch.

DUKE OF ALBANY. Vines medium green; pods dark green; a trifle earlier, but otherwise similar to telephone described next.

IMPROVED TELEPHONE, or Boston Unrivaled. The finest strain of the old reliable light-podded Telephone. Height 4 to 5 feet; pods 4½ inches long, each containing 8 to 10 large, delicious Peas; vines, pods and Peas all medium-light green. Prolific, bearing its crop a few days after Senator.

ALDERMAN. The leading dark-podded variety of the Telephone type. A trifle later than Boston Unrivaled but more productive; vines and Peas dark green; unexcelled in flavor. Alderman is grown very extensively for market and is, without a doubt, the best of the tall late sorts for the home-garden.

PRODIGIOUS or Quite Content. A grand exhibition Pea, in which mammoth size is combined with superb quality. Thrifty vines growing 5 feet tall; dark green pods 5 inches or more in length, largely borne in pairs, and packed with immense, luscious Peas. Season with Alderman.

MAMMOTH-PODDED SUGAR. Tall and late, producing a large crop of pods 5 to 6 inches long and 1½ inches wide. These are gathered when the Peas within have just begun to form and are prepared like snap-beans, the entire pods being cooked. Tender and stringless and very sweet in flavor.



Alderman Pea

PEAS	Pkt.	1 lb.	2 lbs.	5 lbs.	10 lbs.	Bu. 56 lbs.	
Laxtonian	\$.10	\$.35	\$.65	\$1.50	\$2.25	\$11.00	
Pioneer .....	.10	.35	.65	1.50	2.25	11.00
Sutton's Excelsior .....	.10	.35	.65	1.35	2.00	10.00
Potlatch .....	.10	.35	.65	1.35	2.00	10.00
Dwarf Champion .....	.10	.35	.65	1.35	2.00	10.00
Duke of Albany .....	.10	.35	.65	1.35	2.00	10.00
Improved Telephone .....	.10	.35	.65	1.35	2.00	10.00
Boston Unrivaled .....	.10	.35	.65	1.35	2.00	10.00
Alderman .....	.10	.35	.65	1.35	2.00	10.00
Prodigious or Quite Content .....	.10	.35	.65	1.35	2.00	10.00
Mammoth Podded Sugar .....	.10	.40	.75	1.75	3.00	15.00
SALSIFY OR OYSTER PLANT				Pkt.	Oz.	4 oz.	1 lb.
Mammoth Sandwich Island				\$.10	\$.25	\$.75	\$2.50

SALSIFY or OYSTER PLANT

When cooked, the roots have something of the flavor and odor of oysters. They may be boiled, used in soups, or grated and fried as fritters. The culture of Salsify is the same as for parsnips. The roots are perfectly hardy and may be left in the ground all winter, or a quantity of roots for winter use may be dug after the first frosts and stored in a pit or in sand or damp earth in the cellar. The seed should be sown not later than end of June, as the roots require a full season to attain their growth. An ounce of seed will sow about 75 feet of drill.

MAMMOTH SANDWICH ISLAND. The most satisfactory variety under all conditions. The roots are long and of good thickness, tender and well flavored, resembling fair-sized parsnips.

Cultivate Your Garden Often

Constant cultivating not only keeps the soil in fine physical condition, but kills the weeds while they are small. This is important. A wheel hoe will enable you to do this work, with a great saving of time and labor.

We believe the PLANET Jr. and IRONAGE Wheel Hoes are the best made, and recommend them to everyone. See Page 74.



RADISHES

Success with Radishes depends upon the selection of the proper varieties to be grown during the different seasons. Early in the spring, while it is still cool, the Extra-early Round or Button Radishes do best and the first sowing may be made as soon as the ground is fit to be dug. The olive-shaped or half-long and long varieties, require more time in which to reach eatable size, but they will stand heat better. None of these kinds should be grown during mid-summer but may again be sown during the latter part of August. The slow-growing, hot-weather varieties are described on the next page.

Radishes thrive best in well-enriched light, sandy soils. To produce smooth, shapely roots, the seed-bed should be worked into fine, loose condition and freed from stones. The quick-maturing varieties may be sown in rows less than a foot apart and, if the seed is not scattered too thickly, little thinning out will be necessary.

The Radishes on this page are also suitable for forcing under glass. Saxa, Non Plus Ultra, and Scarlet Globe may be gathered from the hotbed in mid-April from seed sown the middle of March. For the forcing crop, sow the seed in hotbeds in rows 5 or 6 inches apart and thin the plants as the soil becomes warm. An ounce of seed will sow about 75 feet of row.

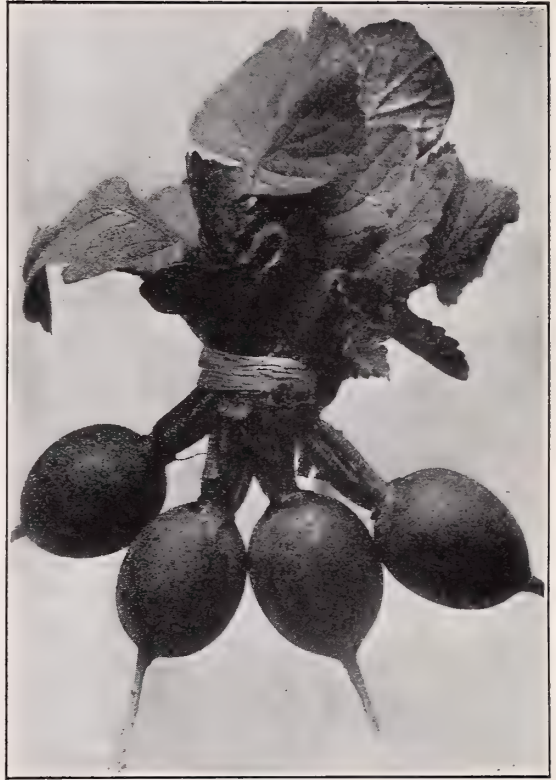
Extra-Early Round or Button Radishes

These are the popular, little flat or round fellows which, if sown in early spring, will be ready for use in three or five weeks, depending on weather conditions. To be crisp and tender, they must grow quickly; a check in growth, due to drought or frost, makes them tough and pithy, while hot weather makes them grow rank and bitter. Do not sow between May 15 and August 15.

SAXA or Rapid Red. By far the earliest and most short-lived of all the forcing Radishes. Under favorable conditions, Saxa will make small but perfect globe-shaped roots in the almost incredibly short time of 20 days in the hotbed, or 25 days outdoors. Saxa Radishes have remarkably small tops, so may be grown very close together. The flesh is pure white and very crisp; skin bright scarlet.

NON PLUS ULTRA, FIREBALL or Scarlet Button. An improved strain of the favorite little, bright red, turnip-shaped, early forcing and outdoor Radish. The roots are of good size, round, and with very small tap-roots; the flesh is white and crisp, with skin of a most appetizing, bright scarlet color; the stems and leaves are small. Our strain is exceptionally well-bred and reliable.

EARLY SCARLET GLOBE. (See illustration.) The most widely grown of all the early, round, red Radishes. Although a few days later than Non Plus Ultra, it produces roots of larger size without becoming pithy and is the favorite variety for early market everywhere. The roots are elongated globe-shape, uniformly good-sized, smooth and with small tap-roots, bright rosy red in color, with firm, white flesh. Matures in 30 to 35 days from sowing. We have an exceptionally fine forcing stock of this variety.



Early Scarlet Globe Radish



Rosy Gem Radishes

CRIMSON GIANT FORCING. Maturing in about the same time as Early Scarlet Globe, this Radish produces roots nearly twice the size, of perfect globe shape, with white flesh and deep red skin.

SPARKLER. Perfectly round or ball-shaped; upper half bright scarlet, lower half and tap-root clear white; very bright and attractive in appearance and largely grown for both market and home use. More satisfactory outdoors than Rosy Gem.

ROSY GEM. The best forcing strain of the ever-popular White-tipped Scarlet Turnip Radish. The roots are round or turnip-shaped; deep rosy scarlet, shading to a white tip. Very attractive and showy; maturing its crisp little roots in 30 to 35 days.

WHITE BOX. The leading early white Radish. Roots of good size and nearly spherical in shape, with smooth, white skin.

Early Olive-Shaped and Half-Long

FRENCH BREAKFAST. Olive-shaped; rosy scarlet with white tip. A quick-growing variety of excellent quality.

SCARLET OLIVE-SHAPED. Bright scarlet; early; sometimes used for forcing. The flesh is white, crisp and tender.

YELLOW OLIVE-SHAPED. Exceptionally fine quality despite its unusual color. The skin is bright golden brown; flesh white.

RADISHES	Pkt.	Oz.	4 oz.	1 lb.
Saxa or Rapid Red	\$.10	\$.15	\$.40	\$.90
Non Plus Ultra	.10	.15	.40	.90
Fire Ball or Scarlet Button	.10	.15	.40	.90
Early Scarlet Globe	.10	.15	.40	.90
Crimson Giant Forcing	.10	.15	.40	.90
Sparkler	.10	.15	.40	.90
Rosy Gem	.10	.15	.40	.90
White Box	.10	.15	.40	.90
French Breakfast	.10	.15	.40	.90
Scarlet Olive-Shaped	.10	.15	.40	.90
Yellow Olive-Shaped	.10	.15	.40	.90



EARLY LONG RADISHES

ICICLE. If there is any one Radish that deserves the title of "best all-round" for the home garden, it is White Icicle. Good early or late, it resists the heat as well as any of the extra-early varieties and the quality of its flesh is always pleasing. Handsome, cylindrical roots, 5 to 7 inches long, with smooth, white skin and fine-grained white flesh. (See illustration.)

CINCINNATI MARKET. The most select strain of the Long Scarlet Short Top type. The roots grow 6 to 7 inches long and are bright scarlet, slightly tipped white, with very brittle flesh. Our stock is very short-topped; excellent for both forcing and outdoors.



White Icicle Radishes



Beckert's Improved Chartier Radishes

RADISHES BEST FOR SUMMER USE

The following five varieties are particularly valuable in that they extend the Radish season by at least two months. Any of these varieties may be sown up to August and will be in prime condition throughout the hot months when all early Radishes will have become pithy. Beckert's Chartier is the earliest of the summer Radishes, being ready for table in about 45 days after date of sowing seeds. Golden Globe is, perhaps, the greatest heat resister in this class.

BECKERT'S IMPROVED CHARTIER. (See illustration to left.) This greatly improved Radish is the finest long red variety in existence. Slightly later than the Cincinnati Market, but better in quality; will stand far longer; in all respects superior to any other long Radish. Rosy scarlet with white tip.

LONG WHITE VIENNA. Long and slender; snow-white; flesh crisp, tender and brittle; of rapid growth.

WHITE STRASBURG. Half-long and thick; skin and flesh white. An excellent sort for either summer or fall. Firm, crisp, and of mild flavor.

GIANT STUTTGART. Very large; globular in shape; pure white; stands heat well.

GOLDEN GLOBE. Our seeds are choicest French-grown. Russet color; sweet and crisp. A favorite in all parts of the country; valued for its heat-resistance.

WINTER RADISHES

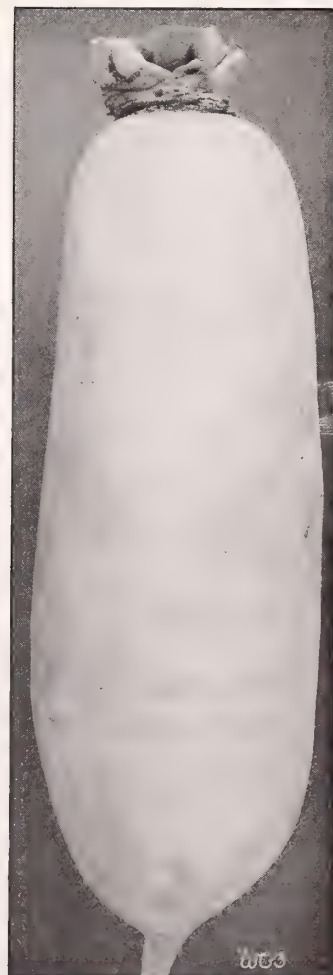
CELESTIAL or White Chinese. (See illustration.) Attains a length of 12 inches and a diameter of 4 to 5 inches. Flesh crisp, mild, and sweet in flavor.

CHINESE ROSE. Half-long; flesh pink, solid, of excellent quality.

LONG BLACK SPANISH. Roots black; the flesh is white and slightly pungent.

ROUND BLACK SPANISH. Globe-shaped; white-fleshed.

SAKURAJIMA. A Japanese variety, attaining a monstrous size. Reaches a weight of fifteen pounds. Can be used cooked as a turnip. Requires the whole season for its development. Should be sown in rows and thinned out to stand 10 inches apart.



Celestial Radish

RADISHES				
Icicle	\$.10	\$.15	\$.40	\$.90
Cincinnati Market .....	.10	.15	.40	.90
Beckert's Improved Chartier ..	.10	.15	.40	.90
Long White Vienna .....	.10	.15	.40	.90
White Strasburg .....	.10	.15	.40	.90
Giant Stuttgart .....	.10	.15	.40	.90
Golden Globe .....	.10	.15	.40	.90
Celestial or White Chinese ..	.10	.15	.40	.90
Chinese Rose .....	.10	.15	.40	.90
Long Black Spanish .....	.10	.15	.40	.90
Round Black Spanish .....	.10	.15	.40	.90
Sakurajima .....	.10	.15	.40	.90



SPINACH

The value of fresh Spinach in the diet is just beginning to be appreciated. It is particularly rich in tonic mineral salts and vitamins, and these vitamins are believed to be present in a form which is not broken down or lost in boiling. By means of succession plantings, Spinach may be had all summer long, fresh from the garden. The first sowings should be made just as early in the spring as the ground can be made ready to receive the seed. Succession plantings may be made every ten days or two weeks up to the first of October, at which time a large planting should be made and protected with straw or dead leaves for winter and early spring use.

BECKERT'S EMERALD. Last year we introduced this variety to the trade after it had been tested both in this country and abroad. Only a few days later than the Bloomsdale sorts, with dark green, thick crumpled leaves. The plant is of upright growth, a few days later than Bloomsdale and remains in firm, edible condition for much longer time. This spinach is an excellent quality for home garden.

KING OF DENMARK, or ANTVORSKOV. This in our estimation, is one of the most valuable new vegetables developed in recent years. For the home gardener it is especially valuable as it will stand the hottest kind of weather and remains in prime condition without shooting to seed longer than any other sort.

BLOOMSDALE SAVOY, RESELECTED SEED. This is by far the most popular Spinach among the gardeners and is the best Spring and Fall Spinach. The plant is of upright growth, with thick glossy dark green leaves of medium size, pointed and quite broad, and crumpled or blistered like those of Savoy Cabbage. This Spinach is suitable for the home garden.

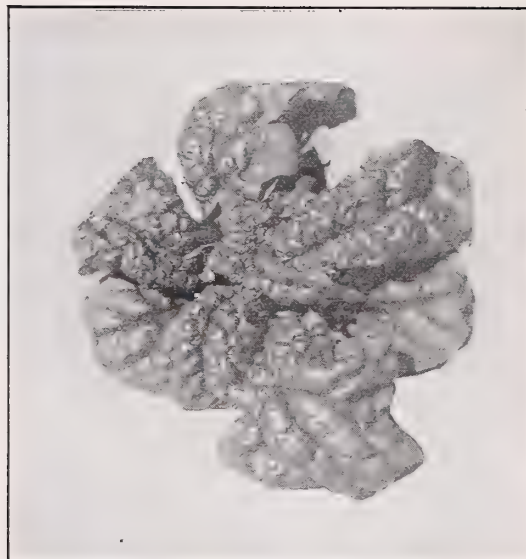
VICTORIA. Compact plants with round, crumpled leaves of the very best quality; dark green. Does best in early spring and fall but gives good results at all seasons.

EARLY GIANT THICK-LEAF. A quick-growing variety with large, pointed leaves of a thick, almost leathery consistency, but of first rate quality nevertheless. It stands warm weather well but is most largely used for the first spring crop.

BLOOMSDALE IMP. LONG STANDING. This introduction now so well known has proven to be of exceptional merit. The advantage of this variety is that it will stand in fine edible condition from ten to fourteen days longer than the regular Bloomsdale. This variety is practically free from the early bolting male plants, the leaves are heavily crumpled and of deep dark green color and extra thick. These qualities are found in our strain in the highest possible measure.

JULIANA. One of the best second-early varieties with very dark green thick crumpled leaves and will stand two weeks longer than Savoy without bolting to seed.

NEW ZEALAND SPINACH. The seed is slow germinating but, once started, the plants grow rapidly and by midsummer will often measure 4 or 5 feet in diameter and 3 feet high. The first crop may be cut when the plants are about half grown, taking only the tips of the branches. As fast as these tips are gathered, the main stalks produce more side shoots and it seems that the more one gathers the faster it develops.



Bloomsdale Long Standing Spinach

RHUBARB	Pkt.	Oz.	¼ lb.	1 lb.	10 lbs.
Victoria	\$.10	\$.25	\$.75	..	..
SPINACH					
Beckert's Emerald .....	.10	.15	.40	\$.75	\$4.00
King of Denmark .....	..	.10	.25	.50	3.50
Bloomsdale Savoy,					
Reselected .....	..	.10	.25	.50	3.50
Victoria .....	..	.10	.25	.45	2.75
Early Giant Thick-Leaf... ..	..	.10	.25	.45	2.75
Bloomsdale Imp. Long					
Standing .....	..	.10	.25	.50	3.50
Juliana .....	..	.15	.30	.50	3.50
Yellows Resistant .....	..	.15	.30	.50	3.50
New Zealand .....	.10	.15	.30	.50	..
SWISS CHARD OR SPINACH BEET					
Lucullus .....	.10	.15	.40	.90	..
Large Silver-Ribbed .....	.10	.15	.40	.90	..
Rhubarb Roots—10 cts. each,			\$1.00 doz.;	large clumps	
25 cts. and 50 cts.					

YELLOWS RESISTANT. Commonly known as "Blight Proof." Is resistant to blight and should be used where blight is prevalent.

RHUBARB or PIE-PLANT

VICTORIA. An improved variety producing extra-large, thick stalks. It is a main-crop sort with a long season of bearing.

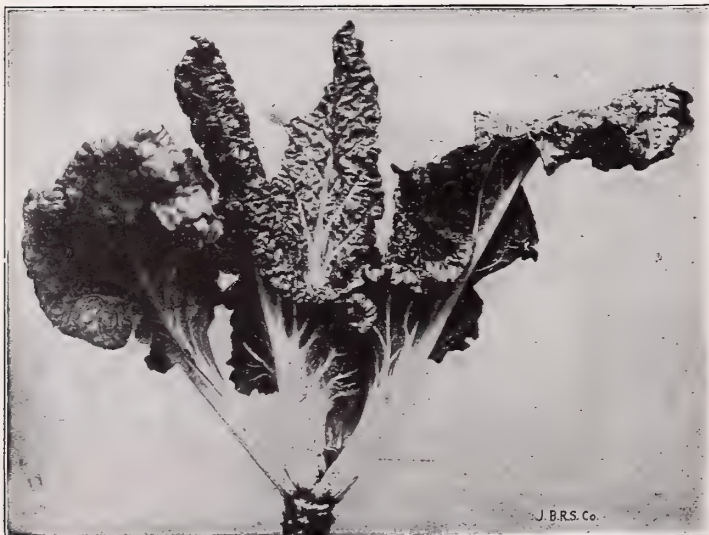
RHUBARB ROOTS. Strong roots, for early spring delivery.

SWISS CHARD or SPINACH BEET

It is only in recent years that Swiss Chard has received the attention that it deserves, but now that home gardeners are beginning to appreciate its many valuable qualities, it is growing in popularity at a remarkable rate. Swiss Chard is a type of Beet growing all to top instead of root. The leaves are long and broad with thick stalks and mid-ribs, and are produced in great abundance. The leafy portion on either side of the midribs is cooked like Spinach.

LUCULLUS. The most popular variety. Leaves attractively crinkled and curled, and of extra-fine quality. Plants grow about 2 feet tall.

LARGE SILVER-RIBBED. Larger growing than Lucullus, with smooth, or slightly crinkled, light green leaves and broad, white ribs.



Lucullus Swiss Chard



THE CHOICEST SQUASHES

Squash seed should not be sown until all danger from frost is past; it is safest to wait until after Decoration Day. All are rank feeders and do best on well-drained, heavily manured soil. The winter varieties are usually grown in hills placed 8 feet or more apart each way. These hills are prepared by first digging holes about 2 feet in diameter and 12 to 18 inches deep, which are filled with rotted manure or compost, and then piling soil on top to make mounds 4 to 6 inches higher than the level of the ground. Sow 8 to 12 seeds in each hill, dropping them about an inch apart, and thin out to the best 3 or 4 seedlings. Do not disturb the vines after they begin to run. The bush varieties may be sown in rows, prepared in the same manner as the hills for the winter squashes. The plants should be thinned to stand about 3 feet apart.

SUMMER VARIETIES

These are mostly early-bearing kinds of compact or bushy growth. The fruits have thin shells, consequently are not good keepers. One ounce of seed will plant 25 to 50 hills or 20 to 40 feet of row, depending on the variety; 4 to 6 pounds will sow an acre.

COCOZELLE BUSH or **Italian Vegetable Marrow**. This is perhaps the most prolific of all bush sorts, commencing to bear in July and continuing until killed by frost. The fruits average 10 to 12 inches long by 5 inches in diameter and are green, marbled with yellow and striped with darker green. The flesh is quite firm and of superb quality.

WHITE VEGETABLE MARROW. Larger growing and later than Cocozelle. Skin greenish white; flesh white.

MAMMOTH WHITE BUSH. (See illustration.) An improved White Patty-Pan Squash. Early and productive; fruits 10 inches in diameter.

GOLDEN CUSTARD BUSH. Like Mammoth White Bush except that the fruits are rich golden yellow.

GIANT CROOKNECK. A bush form of Golden Crookneck, producing larger fruits; extremely early and prolific. Fine for market.

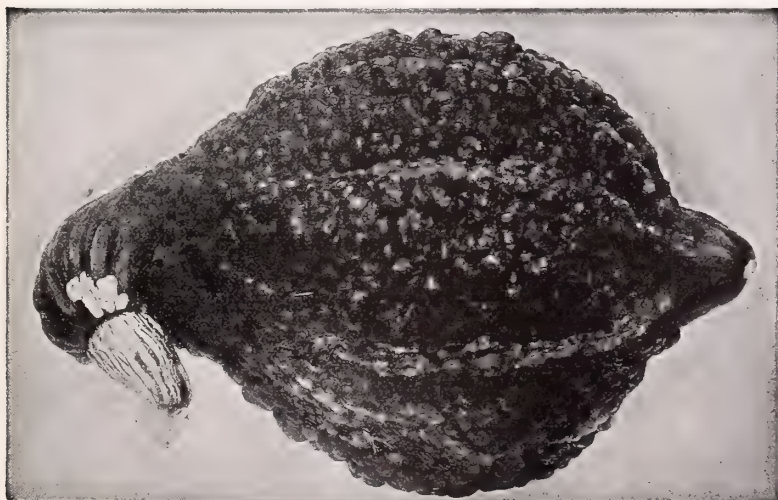
DELICIOUS. Fruits large, resembling the Hubbard in shape, with bronzy green skin and orange flesh, which is very thick, fine-grained, dry and sweet. A dependable Squash for late summer and early winter use.

ZUCCHINI. Italian squash of the Cocozelle order, color, dark green with light green stripes, prolific and delicious, bush habit.



Mammoth White Bush Squash

SQUASHES	Pkt.	Oz.	¼ lb.	1 lb.
Cocozelle Bush	\$.10	\$.20	\$.50	\$1.00
White Vegetable Marrow .....	.10	.20	.50	1.00
Mammoth White Bush .....	.10	.20	.50	1.00
Golden Custard Bush .....	.10	.20	.50	1.00
Giant Crookneck .....	.10	.20	.50	1.00
Delicious .....	.10	.20	.50	1.00
Zucchini .....	.10	.20	.50	1.00
Boston Marrow .....	.10	.20	.50	1.00
Improved Hubbard .....	.10	.20	.60	1.25
Warted Hubbard .....	.10	.20	.60	1.25
Blue Hubbard .....	.10	.20	.60	1.25
Golden Hubbard .....	.10	.20	.60	1.25
New Acorn or Table Queen .....	.10	.20	.60	1.25



Warted Hubbard Squash

WINTER VARIETIES

BOSTON MARROW. Well-known and popular. Large fruits with bright orange skin and flesh; does not keep quite as long as the Hubbards but is of the very finest quality and a reliable cropper.

HUBBARD, IMPROVED. An extra-select strain of the standard winter Squash. Skin dark green and nearly smooth; flesh yellow, fine-grained, dry and sweet; late keeping.

WARTED HUBBARD. Slightly larger than the original Hubbard, with dark green, hard, warty skin. The longest keeper of all the Hubbard Squashes. Flesh thick and of fine quality.

BLUE HUBBARD. A large variety having a hard, blue-grey shell. It is a long-keeping sort and of finest quality.

GOLDEN HUBBARD. Similar to the Improved Hubbard, except that the skin and flesh are bright yellow. Very dry and of excellent flavor. Particularly good for pies on account of its bright color.

NEW ACORN or TABLE QUEEN SQUASH. Excellent for pies and keeps as well as Hubbard. Fruits are 5 to 6 inches long and 4 inches in diameter; smooth dark green skin and thick orange flesh. Very prolific.



Beckert's Pittsburgh Tomato

TOMATOES

Tomatoes are warmth-loving plants. The seed should be sown in February or March, either in the hotbed or in boxes placed in a warm, sunny window, using fine, mellow soil and watering carefully as required. When the seedlings are about 2 inches tall, reset them in pots or in rows 4 to 5 inches apart, keeping the temperature about 60°. A subsequent transplanting will make them more branching and stocky. Do not set the plants out in the open ground until all danger from frost is past. As the weather becomes warm and settled, harden the plants by exposing them to the open air for a few hours in the middle of the day for a week or so and then plant them out in a warm, sunny spot and water them freely until they are well established. A packet of seed will produce plenty of plants for the average small garden; an ounce of seed will produce 1,000 plants or more. It is not only cheaper to grow your own Tomato plants from seed but it is also much safer, for you are then assured of having just the variety that you want.

BECKERT'S PITTSBURGH TOMATO is a result of a cross between Bolgianos Florida and the Landreth. It is free from blight and wilt. When tested on a farm alongside of twelve other varieties it surpassed them all in form, color, substance and yield of crop and we predict a large demand for the seed this year.

BECKERT'S WAY-A-HEAD. Is a distinct new type with a vigorous disease resistant foliage. The fruits are of good size and fine quality, the earliest tomato in cultivation.

REDHEAD. An early, deep red variety of good size and shape. It is very meaty and nearly free from cracks. Fruit is very smooth and runs quite uniform in size; very productive.

SPARK'S EARLIANA. Ready to pick 100 days after the seed is sown. Medium size, handsome shape, bright red; quite solid; of rather acid quality. Season of bearing short.

JOHN BAER. Ripening a few days after Earliana, produces larger fruits and plenty of them. On account of its wider soil adaptability, it is a better kind to grow for first-early in the home-garden than Earliana. Always smooth, semi-globe shaped, bright red; quality excellent.

CHALK'S EARLY JEWEL. Vigorous and productive, second-early. The large fruits are bright, deep scarlet-red, somewhat flattened, smooth, very solid.

BREAK O'DAY TOMATO. *Certified Stock.* The most recent perfection in tomatoes by Dr. F. J. Pritchard. An extra early perfect globe hybridized from Marglobe and other earlier tomatoes. Almost as early as Earliana. All the wilt and disease resistance qualities of Marglobe but at least two weeks earlier. Good shipper. Beautiful red. Stands hot and dry weather. No acid. Deliciously sweet flavor.

BONNY BEST. Follows Earliana by about ten days and is, without a doubt, the most widely grown early Tomato. The fruits are slightly larger than those of Manyfold, averaging 3½ inches in diameter, and the plants are almost as prolific. Although Bonny Best does not have a long bearing season, the yield is so large under any conditions as to make it a most profitable variety to grow. Particularly suited for light, sandy soils; fruit smooth and solid, ripening uniformly; bright red.

MAIN-CROP RED VARIETIES

GREATER BALTIMORE. A select strain of Stone, ripening several days earlier and nearly as productive. Largely grown for canning in the Northern States.

STONE. An old favorite—the standard Tomato for main-crop and canning. Immensely productive; fruits large and smooth, bright scarlet, solid and meaty.

MATCHLESS. Another strain of Stone, with extra-large fruits; late but the heaviest yielder of all. The best main-crop variety for the home-garden. Rich cardinal-red; flesh solid and of the finest quality.

MARGLOBE. (Certified Stock.) A new midseason sort, immune from rust and wilt. It is globe-shaped, very solid, of fine appearance, and a heavy cropper.

BURBANK. Originated by Luther Burbank, it belongs to the Earliana family and is a decided improvement over that variety. It ripens its fruit about the same time. The plants make a medium size growth and are very productive. The fruit is of good size, ripens up much better, also much thicker through, than Earliana. It is a red fruited variety and the demand has been very great.

TOMATOES	Pkt.	½ oz.	1 oz.	4 oz.	1 lb.
Beckert's Pittsburgh	\$.15	\$.40	\$.75	\$2.25	\$8.00
Beckert's Way-A-Head	.15	.35	.60	1.75	6.00
Redhead	.10	.30	.50	1.50	5.00
Spark's Earliana	.10	.30	.50	1.50	5.00
John Baer	.10	.30	.50	1.50	5.00
Chalk's Early Jewel	.10	.30	.50	1.50	5.00
Break O'Day	.15	.40	.75	2.25	8.00
Bonny Best	.10	.35	.60	1.75	6.00
Greater Baltimore	.10	.35	.60	1.75	6.00
Stone	.10	.35	.60	1.75	6.00
Matchless	.10	.35	.60	1.75	6.00
Marglobe	.10	.35	.60	1.75	6.00
Burbank	.15	.40	.75	2.25	8.00
June Pink	.10	.35	.60	1.75	6.00
Early Detroit	.10	.35	.60	1.75	6.00
Gulf State Market	.10	.35	.60	1.75	6.00
Globe	.10	.35	.60	1.75	6.00

PURPLE TOMATOES

JUNE PINK. Identical with Earliana, but pink in color. A good producer and resistant to blight, 100 days.

EARLY DETROIT. Follows June Pink; fruits larger, uniformly smooth and well-colored. A good producer on any soil.

GULF STATE MARKET. The finest early purple-fruited Tomato. Ripens with Early Detroit but is larger, more solid and more globe-shaped. Productive and a good shipper.

GLOBE. An outstanding variety; most valuable purple season, it produces an enormous crop of handsome, distinctly globe-shaped fruits of the very finest quality. On light or sandy soils the yield is considerably reduced, so we recommend Globe particularly for medium and heavy soils, under which conditions it is sure to satisfy the most critical of Tomato growers. As a home-garden Tomato it is unexcelled, being suitable for salads, stewing, canning—in fact, for every purpose.



TOMATOES



Beckert's Velvet Sensation

PURPLE TOMATOES

BECKERT'S VELVET SENSATION TOMATO is another novelty introduced by us and tried out by one of the largest tomato growers and proved to be of great merit. This is a second-early, pink fruited variety, maturing in 108 days. Fruit is the largest of any variety we know and quite smooth, considering size. Seed cell structure is very broken, making the tomato quite solid. It sets in clusters of three to five. Vine growth is rather tall and light green in color.

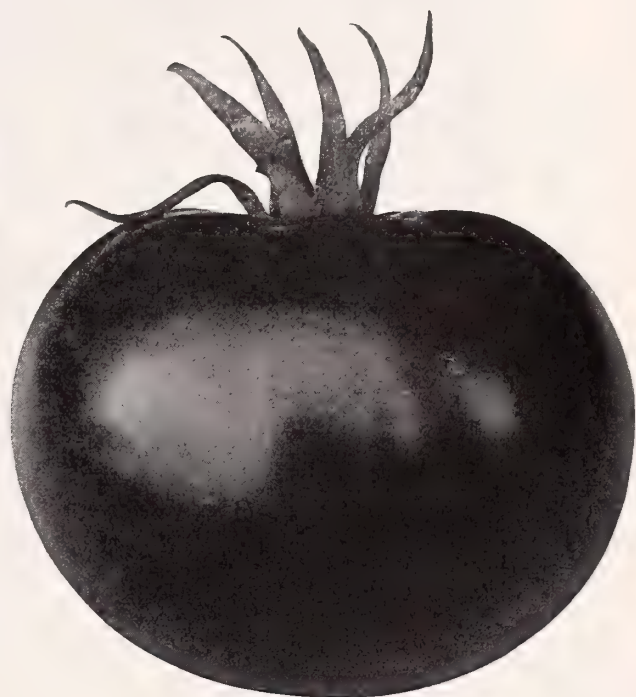
BEAUTY. A productive main-crop variety; fruits of good size, smooth, solid, never cracking; quality excellent.

BUCKEYE STATE. With the exception of Ponderosa, this is the largest-fruited purple variety; late but a very heavy yielder, especially on river-bottom land. Smooth and meaty; purplish crimson in color.

OXHEART. It is no doubt an off-spring of the Ponderosa family. It is not a heavy cropper and not suitable for general farming but more adapted to gardens where it can be staked up and also for any one wanting to grow prize tomatoes, as it grows enormous sized oxheart shaped fruits which are of a purple color, having a very thick flesh of excellent quality and very few seeds.

TRUCKERS' FAVORITE. A purple-fruited counterpart to Stone. Extremely productive; fruits large, solid, smooth and of the finest quality. A few days later than Beauty but a heavier cropper.

PONDEROSA. The largest of all Tomatoes, regardless of color. Properly grown, a single plant will often bear from 20 to 30 large fruits, generally in clusters of three, each cluster weighing from 1½ to 2 pounds.



Beckert's Keystone State

BECKERT'S KEYSTONE STATE TOMATO

is another novelty introduced by the well known Hybridizer W. E. Vail of West Chester County, New York, and we believe this variety to be one of the best ever offered. It is very early, producing large fruits of a good red color free from core, will not burst and is a splendid shipper.

DWARF TOMATOES

These differ from the standard tall varieties by forming plants of a compact, bushy, erect habit of growth. When fully grown, the plants average 3 feet tall by 2 feet across. They should be tied to short stakes. Ideal for the small home-garden.

DWARF CHAMPION. Stock plants, maturing early and bearing a large crop of medium-sized, smooth, purplish pink fruits.

DWARF STONE. The most popular of the dwarf kinds; quite early and a heavy cropper. Fruits large and solid, deep scarlet.

VARIOUS OTHER TOMATOES

YELLOW PONDEROSA. Similar in size and growth to Ponderosa; clear golden yellow; solid and mild in flavor.

LISTER'S PROLIFIC. For forcing. A great producer of handsome clusters of choice fruit.

STIRLING CASTLE. An extra-select forcing strain; medium-sized, bright red fruit; very productive.

SUNRISE (Carter's). One of the best of the English forcing Tomatoes.

SMALL-FRUITED or PRESERVING VARIETIES

Used principally for preserves or eaten raw; all very sweet and mild in flavor.

Yellow Peach	Red Plum	Yellow Cherry
Red Peach	Yellow Pear	Red Cherry
Yellow Plum	Red Pear	Red Currant
Golden Husk		Purple Husk

TOMATOES	Pkt.	½ oz.	1 oz.	4 oz.	1 lb.
Beckert's Velvet Sensation	\$.10	\$.35	\$.60	\$1.75	\$6.00
Beauty	.10	.30	.50	1.50	5.00
Buckeye State	.10	.40	.75	2.25	8.00
Oxheart	.15	.60	1.00	3.00	10.00
Trucker's Favorite	.10	.35	.60	1.75	6.00
Ponderosa	.10	.40	.75	2.25	8.00
Beckert's Keystone State	.15	.40	.75	2.25	8.00
Dwarf Champion	.10	.30	.50	1.50	5.00
Dwarf Stone	.10	.35	.60	1.75	6.00
Yellow Ponderosa	.10	.40	.75	2.25	8.00
Small-Fruited or Preserving	.10	.30	.50	1.50	5.00
Lister's Prolific	.15	.50	.90		
Stirling Castle	.15	.50	.90		
Sunrise (Carter's)	.15	.50	.90		



TURNIPS

For early use, sow Turnip seed as soon as the ground can be prepared, scattering it in drills 15 inches apart, and thin the plants to stand 8 inches apart. Succession sowings may be made at intervals of a fortnight until the last of August. The sowings should be made just before a rain if possible, as the success of the crop depends, in a great measure, upon quick germination and the rapid growth of the young plants. Turnips develop best during cool weather; consequently, the main crop is usually started in August to mature in the cool fall months. For this reason, Turnips are a most desirable crop to follow other vegetables which are harvested early in the season. It is not advisable, however, to sow Turnips where cabbage or radish crops have been grown on account of the danger from root maggots. The larger sorts of Turnips and the Rutabagas are splendid keepers and at least a few should be grown in every garden for winter use. An ounce of seed will sow 150 feet of drill; 2 pounds will sow an acre.

THE WHITE-FLESHED VARIETIES

- EXTRA-EARLY WHITE MILAN.** Extremely early and of fine quality. Roots white; flat; 2 to 2½ inches in diameter; maturing in 50 days from sowing. Valuable for first-early but not a keeper.
- EXTRA-EARLY PURPLE MILAN.** Same as the above except color.
- PURPLE-TOP STRAP-LEAF.** Larger than Milan and larger. Suitable for both early and main crop; good keeper.
- PURPLE-TOP WHITE GLOBE.** The most popular main-crop Turnip. Large, handsome, globe-shaped roots; noted for its heavy yield per acre; a splendid keeper.
- SEVEN TOP.** Grown for the large tops which are used as greens; roots of no value.
- COW HORN.** Very long, slender roots; sweet, fine-grained flesh.

YELLOW-FLESHED SORTS

- These do not grow as rapidly as the white kinds, but their flesh is firmer and they keep better.
- GOLDEN BALL.** Roots of medium size; skin and flesh yellow; fine quality.
- YELLOW ABERDEEN.** Roots round, extra-large; flesh very firm and of fair quality; largely grown for feeding to stock.

RUTABAGAS or SWEDISH TURNIPS

- These grow to a very large size, requiring a long season, and should be sown not later than July first. They are grown chiefly for stock but are also excellent for cooking in spring.
- IMPROVED AMERICAN PURPLE-TOP YELLOW.** Hardy; large, firm roots with well-flavored yellow flesh.
- NECKLACE.** American Yellow Purple Top. (Original Seed.) Extra fine improved strain without neck. Tops rather short, but good size root. Flesh yellow and fine grained. Best of all yellow fleshed varieties.



American Purple-Top Rutabaga

SWEET and MEDICINAL HERBS

*Varieties are Perennials

- Anise.** Used for flavoring.
- Balm.** Made into balm tea for fevers.
- Basil, Sweet.** For soups and stews.
- Borage.** A pot-herb and for bees.
- Caraway.** Seeds are used in cakes, etc.
- Chervil, Curled.** For soups and salads.
- Chives.*** Used for garnishing. Pkt. 25 cts.
- Coriander.** Seeds used in confectionery.
- Dill.** Used for pickling.
- Fennel.*** Used for pickling and sauses.
- Fennel, Florence.** Resembles celery in flavor.

- Horehound.*** Valuable for medicine.
- Hyssop.*** Medicinal and decorative.
- Lavender (True).** Used in perfume.
- Marjoram, Sweet.**
- Marjoram, Pot.** Used for seasoning.
- Rosemary.*** Aromatic; for seasoning.
- Rue.*** Used for medicinal purposes.
- Sage.*** Used for flavoring.
- Savory, Summer.** For flavoring.
- Savory, Winter.*** A hardy form.
- Sorrel.** Used as a salad.
- Thyme.** For sauses and dressings.

All above varieties of Herb 10 cts. per pkt. except as noted

	Pkt.	1 oz.	¼ lb.	1 lb.
TURNIPS				
Extra-Early White Milan	\$.10	\$.15	\$.35	\$1.00
Extra-Early Purple Milan	.10	.15	.35	1.00
Purple-Top Strap-Leaf	.10	.15	.30	.75
Purple-Top White Globe	.10	.15	.30	.75
Seven Top	.10	.15	.25	.60
Cow Horn	.10	.15	.25	.60
Golden Ball	.10	.15	.25	.60
Yellow Aberdeen	.10	.15	.25	.60
RUTABAGAS OR SWEDISH TURNIPS				
Imp. American				
Purple-Top Yellow	.10	.15	.30	.75
Necklace	.10	.15	.30	.75



Beckert's Pure Strain Seed Potatoes

(Prices subject to market changes.
Please write for prices).

Our potatoes are grown under the supervision of the most careful men in this business and are the choicest obtainable. A bushel of seed potatoes weighs 60 pounds, 150 pounds to the sack, ten to twelve bushels will plant an acre. At the date this catalogue goes to press prices are unsettled and as there is every possibility that we will be able to quote better prices later we name no prices herein. Seed potatoes should be treated with Semesan Bel to improve the stand and vigor of the plant. The market is variable. Please write for prices, stating quantity required, and we will quote best prices.

RURAL NEW YORKER No. 2. A very vigorous grower. A valuable variety of large size, very smooth, a great cropper and of excellent quality. The tubers grow extremely solid, making a splendid keeper.



Rural New Yorker No. 2

EUREKA Extra Early. An extra early variety, producing fine large tubers, as early or earlier than any other potato in cultivation. The vines are dwarf and compact in growth, with healthy dark green foliage which has never shown any signs of blight. It is about three days earlier than Burpee's Extra early, is an excellent keeper for so early a potato. The firm, white flesh is of fine flavor when cooked.

EARLY ROSE. This pink-skinned variety is noted for earliness, productiveness and fine quality. Shape long, good size, cooks pure white and mealy.

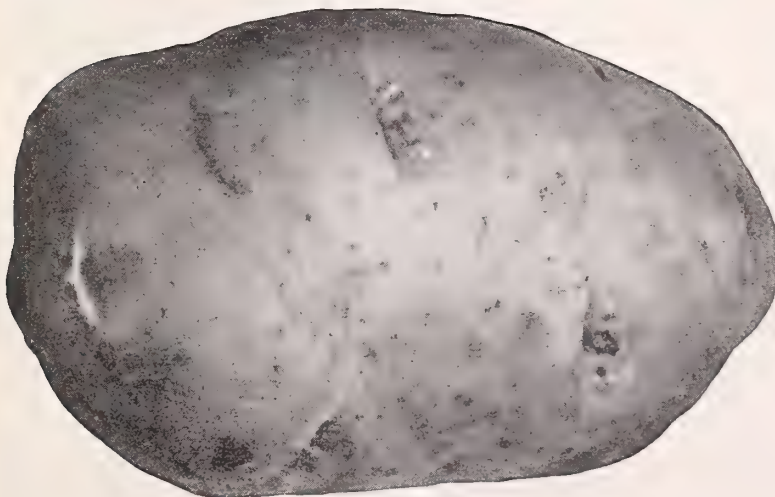
IRISH COBBLER, Extra Early Heavy Yields. Is a grand early potato of medium large size, and in light soil, does its best for earliness, in which it matures almost as early as the smaller cropping Earlies. The demand for more early potatoes makes a virtue of the necessity to plant varieties that yield bigger crops than the Earlies which yield small crops. Irish Cobbler, although not so fine grained in flesh as some other sorts described here, yet it is always a very popular seller. Its size, shape, good quality and elegant appearance have given it a very wide popularity and it usually secures a better price, side by side with standard Earlies. To our customers who find it necessary to cater to a growing demand for more Early potatoes we commend this sort as a money-maker and trade-winner.

EARLY OHIO. Either for the family garden or for market, there is nothing to compare with the early Ohio. Round to oblong in shape, pink skin, white flesh of most excellent quality and extra early.

CARMAN NO. 3. A round, white Potato of the Rural type and closely resembling it in yield and quality. We have clean, pure stock, all northern grown.

RUSSET. Considered the finest Potato extant. The haulm is dark green and very distinct, while the variety seems to be as near blight-proof as a Potato can be. The tubers are round to oblong, very large, and from 6 to 10 are ordinarily obtained from a hill; the flesh is pure white and the skin has a roughened russet appearance.

IMPROVED GREEN MOUNTAIN. The best late Potato. A white skinned variety of flat, oval form, smooth and attractive. Ripens slowly and is a good keeper. Quality excellent when well grown. This variety has been growing in popularity and is now the leader of all varieties for general crop.



Early Ohio



HIGHEST GRADE CLOVER SEEDS

Alfalfa or Lucerne (*Medicago sativa*). Alfalfa will grow on any well-drained soil, but seems to prefer the upland soils containing an abundance of lime. It yields large crops of the most valuable hay. As a soil enricher, Alfalfa has few equals. After a field has been put in Alfalfa for several years, it is in better shape than it could ever be put by using tons and tons of manure. Sow broadcast at the rate of 25 to 35 pounds per acre. We carry the highest grade north-western-grown seed. Prices on request.

Alfalfa, Grimm. Very hardy. Because of its root-system, it will grow well over a hardpan soil, and is adapted to a wetter soil than the other Alfalfa. We recommend 15 pounds of the seed, sown broadcast, to the acre, as its stooling habit requires less seed to be sown than other Alfalfa offered. Prices on request.

Alsike or Swedish (*Trifolium hybridum*). This is one of the hardest varieties of Clover and the only Clover that will thrive on damp or slightly acid land. It is finer and more leafy than Medium Red but does not grow so high. It is often sown with Medium Red Clover and Timothy, and the quality of hay thus produced is excellent. Prices on request.

Mammoth Red (*Trifolium pratense perenne*). Also known as Cow Grass and Pea Vine Clover. Grows larger and lasts longer than Medium Red. Valuable for reclaiming exhausted land by plowing under as a green manure. Prices on request.

Crimson or Scarlet (*Trifolium incarnatum*). This makes the earliest possible spring pasture, blooming the latter part of April or May. The seed may be sown any time from June to October, at the rate of 15 to 20 pounds to the acre. For feeding as hay, it should be cut just before it comes into bloom. Prices on request.

Inoculate this Seed with NOD-O-GEN

Medium Red (*Trifolium pratense*). The most widely grown of all the Clovers and one of the most valuable. It makes two crops a year; the first is usually cut when in bloom for hay, while the last crop may be harvested for seed, cut for hay, or plowed under to add fertility to the soil. Like all of the Clovers, Medium Red does not exhaust the soil on which it is grown but actually enriches it with nitrogen. It may be sown either in spring or fall, at the rate of 10 to 15 pounds per acre if no other grasses are used. Prices on request.

White Sweet or Bokhara (*Melilotus alba*). Biennial. Largely planted on light, sandy soils for turning under to improve the soil, and to inoculate it for future crops of Alfalfa. If wanted for feed or forage, it should be cut when quite young. Also a valuable bee-pasture. Prices on request.

Hubam or Annual White Sweet Clover. Discovered at the Iowa State Agricultural College in 1916, its valuable qualities were recognized at once and every effort has been made to save and increase the seed from the original twenty-two plants. Hubam Clover is an annual form of the White Sweet Clover, accomplishing in one year everything that ordinary Clovers do in two. It begins to bloom in about 3 months after seeding and continues for several months, attaining a height of 6 to 7 feet. It thrives on any kind of soil and, once started, it is not in the least affected by the severest drought. Sow in early spring at the rate of 2 to 3 pounds to the acre if sown in rows, or 8 to 12 pounds to the acre if broadcast. Prices on request.

White Dutch (*Trifolium repens*). Sow 8 pounds to the acre alone. 1/4 lb. 20 cts., 1/2 lb. 35 cts. By express or freight, at purchaser's expense, 1 lb. 65 cts., 5 lbs. \$3.00, 10 lbs. \$5.50

Prices on larger quantities on request.

HIGHEST GRADE GRASS SEEDS

Prices on Grass Seeds subject to change without notice. Our Grass Seeds are the very best obtainable—we do not carry the cheaper grades.

Of the Grass Seeds here offered there are various grades on the market—as many as five grades of some varieties. The weight of the best grades of Grass Seed is in some cases double the weight of lower grades of seed, consequently there is a corresponding difference in value and cost. We shall be pleased to submit samples.

Kentucky Blue Grass (*Poa pratensis*). The well-known standard American pasture grass. It thrives anywhere, although it displays a distinct preference for soils containing lots of lime. Where permitted to develop naturally, it grows from 10 to 15 inches high and lasts for years. Our seed is of fancy quality, heavy and free from chaff. Sow (if alone) 40 pounds to the acre. 1 lb. 40 cts., 10 lbs. \$3.25, 100 lbs. \$25.00.

Crested Dog's-Tail (*Cynosurus cristatus*). Used with other grasses for lawns and pastures on hard, dry soils. 1 lb. 45 cts., 10 lbs. \$3.75, 100 lbs. \$30.00.

Creeping Bent Grass (*Agrostis stolonifera*). The true South German Bent. This is the best grass for putting greens. It is of rapid growth and spreading habit and the stoloniferous roots which it sends down into the soil form a strong, enduring turf that is positively improved by trampling. 1 lb. \$1.25, 10 lbs. \$11.00, 100 lbs. \$100.00.

Creeping Bent, Seaside (*Agrostis stolonifera maritima*). Seed of the very highest quality, grown in Coos County; especially suited for putting-greens and lawn. Spreads rapidly by means of creeping stolons or runners, thereby producing a close matted turf of rich green. 1 lb. \$1.25, 10 lbs. \$10.00, 100 lbs. \$90.00.

English Rye Grass (*Lolium perenne*). A quick-growing pasture grass for all but very dry locations. It produces an abundance of fine foliage, tillers out close to the ground, and grows up again in a very short time after cutting. Also valuable for hay if cut when in bloom. Generally used with other grasses but may be sown alone where a very quick stand is desired. Sow (if alone) 50 to 60 pounds to the acre. 1 lb. 35 cts., 10 lbs. \$2.75, 100 lbs. \$20.00.

Rough Stalked Meadow (*Poa trivialis*). A drought resistant, thick matting grass which does well in shaded locations in lawns and putting-greens. 1 lb. 45 cts., 10 lbs. \$3.75, 100 lbs. \$30.00.

Hard Fescue (*Festuca duriuscula*). For lawns and grazing pastures. Good in shady locations and on poor or dry soils. 1 lb. 45 cts., 10 lbs. \$3.50, 100 lbs. \$27.50.

Italian Rye Grass (*Lolium italicum*). An annual grass, used mostly in pasture mixtures for the sake of its quick growth and to assist other grasses the first year. 1 lb. 35 cts., 10 lbs. \$2.75, 100 lbs. \$20.00.

Meadow Fescue (*Festuca pratensis*). One of the most nutritious and durable pasture grasses. 1 lb. 35 cts., 10 lbs. \$2.75, 100 lbs. \$20.00.

Orchard Grass (*Dactylis glomerata*). A hardy, vigorous grass, valuable for both hay and pasture. It thrives in shade and produces large crops even on poor soil. Sow at the rate of 20 to 25 pounds per acre. 1 lb. 35 cts., 10 lbs. \$2.75, 100 lbs. \$20.00.

Red Fescue (*Festuca rubra*). A semi-creeping, fine turf grass which thrives on the sandiest soils and in deep shade. Used in golf mixtures. 1 lb. 45 cts., 10 lbs. \$3.75, 100 lbs. \$30.00.

Redtop, Fancy Re-cleaned (*Agrostis palustris*). A valuable all-round grass for hay, pasture and lawn. As a turf grass it withstands the hardest kind of usage, and it is one of the few grasses that will thrive on damp, sour land. Pure hulled seed. 1 lb. 40 cts., 10 lbs. \$3.00, 100 lbs. \$22.50.

Sheep's Fescue (*Festuca ovina*). For pastures, on thin, poor soil. 1 lb. 45 cts., 10 lbs. \$3.50, 100 lbs. \$27.50.

Timothy (*Phleum pratense*). The great American hay grass. Perfectly hardy. Often sown with Red Clover at the rate of 8 to 10 pounds of Timothy with 3 to 4 pounds of Red Clover per acre. Best grade only. 45 pounds to the bushel. 1 lb. 15 cts., 5 lbs. 60 cts. Prices on larger quantities on request.



FIELD CORN AND GRAIN CROPS

Prices of all Field Seeds are subject to market changes. For this reason we do not quote fixed prices in our catalogues, but ask our customers to write for latest market quotations when getting ready to buy. We handle the best grades only. Inoculate Soy Beans, Peas, and Vetches with NOD-O-GEN.

PEDIGREED FIELD CORN SEED

- Standard bushel of shelled corn weighs 56 lbs.**
Thoroughbred stock. Tipped and butted before shelling and of the highest germination. Write for samples.
- REID'S YELLOW DENT.** Ears 9 to 10 inches long, 16 to 20 rows; kernels light yellow, deeply dented; cobs medium size. Yields 85 to 100 bushels to the acre. Matures in about 110 days.
- IMPROVED LEAMING.** Medium-early and productive. Ears 8 to 11 inches long, 7½ to 8½ inches in circumference, 16 to 24 rows, well filled from tip to butt; grains glossy yellow, square and deep.
- LANCASTER COUNTY SURE-CROP.** A comparatively new variety which might be described as an extra-large Leaming. Very productive, making a big growth of fodder.
- PRIDE OF THE NORTH.** A Yellow Dent variety, maturing in 90 days with ears measuring from 8 to 10 inches long, 16 rows on the ear, the cob is small while the grain is above medium size, closely set.
- WHITE CAP YELLOW DENT.** An early sort which grows well on a light soil, the grain is yellow with a white tip. This variety is nearly as early as Pride of the North maturing in 90 to 95 days, the ears measure from 8 to 10 inches, well filled with 16 to 18 rows.

FODDER AND ENSILAGE CORN

- EUREKA.** A vigorous grower with large stalks and unusually heavy foliage, producing from one to three ears to the stalk.
- BECKERT'S BLUE RIDGE.** Grows tall, very leafy and full eared. It will out-yield any variety of Ensilage corn, in quality, height and tonnage, growing to a height of 14 to 16 feet. This seed corn is grown at a high altitude in the Blue Ridge Mountains of Virginia.
- VIRGINIA HORSE-TOOTH.** The popular fodder Corn of the southern states; from 12 to 14 feet high, and stiff enough to stand up during severe storms. Seed is white, broad, and deep; white cob.



MISCELLANEOUS FARM SEEDS

Write for Prices.

- BARLEY—Wisconsin Six Row.**
Standard bushel weighs 48 lbs.
- BUCKWHEAT—Japanese.**
Standard bushel weighs 48 lbs.
- COWPEAS—New Era.** Whip-poor-will.
- MILLET—Golden.** Japanese Barnyard.
- OATS—Choice Seed Stock.**
Storm King Swedish Victory
Standard bushel weighs 32 lbs.
- RAPE—Dwarf Essex.**
- RYE—Spring.** Standard bushel weighs 56 lbs.
- SUDAN GRASS.**
- WHEAT, Spring Marquis.** Standard bushel weighs 60 lbs.

Insure Your Seeds Against Attacks of Birds and Rodents by Using "Cro-Tox"

WHAT CRO-TOX DOES. Cro-Tox protects your seeds during the period when they are most easily damaged, by ridding your fields of crows, doves, larks, starlings, blackbirds, pheasants and other seed-pulling birds and rodents, such as squirrels, woodchucks, moles, etc. **Large size can, \$1.00.** Treats 2 bushels of seed. **Small size can, 60 cts.** Treats 1 bushel of seed.

SMUTTOX

No Excuse Left for Having Smut in Oats

SMUTTOX is packed in five pound, friction top cans. The price is \$2.00 per can, carrying charges prepaid. Five pounds of Smuttox is enough to treat twenty-five bushels of seed oats which are sufficient to plant from twelve to fourteen acres, making the cost approximately fifteen cents per acre.

NOD-O-GEN

FOR ALL LEGUME CROPS

Bushel size for small seeds, such as Alfalfa, Sweet Clover, Red Clover, Mammoth Clover, Alsika, etc. . . . **70c**
½ bu. size for small seeds. . . . **55c**
Bushel size for large seeds, such as Soybeans, Cowpeas, Vetch, Peas, Field Beans, etc. . . . **35c**
2 bu. size for large seed. . . . **70c**
5 bu. size for large seed. . . . **\$1.40**
10 bu. size for large seed. . . . **\$2.50**

SOILTEX

Test for acid soil. Tells how much lime your soil requires. Per Bottle **\$1.00**



The Successful Flower Garden From Seeds

In the following pages we offer a **carefully chosen** list of **Flower Seeds**, in which no want of the flower garden has been neglected, the numerous varieties insuring a wide range of color, form, height, habit and season, thus permitting selection for any purpose.

Please use the Order Sheet that is enclosed in catalogue; by so doing, the filling of orders is speeded, and the chance of errors lessened. **Order by number and name, or by number only.**

The growing of flowers from seeds is not difficult, provided a few simple facts are borne in mind. In the first place, please remember that none of the flower seeds, with comparatively few exceptions, sprout as strongly as vegetable seeds. For this reason it pays to take particular pains in preparation of the soil, since even the smallest lump may cause the tiny seedlings to be smothered. Most people make the mistake of covering seeds entirely too deeply. As a general rule, remember that all fine seeds should not be covered any more than just sufficiently to keep them in place and to prevent the wind from blowing them away or the birds from eating them.

Soil Preparation

If possible, the ground where the flower garden is to be should be dug the preceding fall, since the alternate freezing and thawing during the winter will do a great deal to put soil in mellow condition. Incorporate lots of well-rotted manure, compost, or humus, and, should the soil be a heavy clay or of similar stiff character, add lots of sand or ashes.

Lay out your beds in straight rows rather than by scattering seeds at random. It is much easier, then, to discover the seedlings, and it is but little trouble to transplant them where they are wanted when they become large enough.

Sowing Fine Seeds

It pays, in connection with the more expensive varieties and strains, to exercise particular care and to sow seeds in flat wooden boxes, commonly called "seed-flats." These are made up of wooden boards and may measure approximately 12 by 18 inches, with a depth of 4 inches. This sort of flat is filled to within $\frac{1}{2}$ inch of the top with finely sifted soil, and the seeds are then sown in shallow furrows about 4 inches apart, with a label at the head of each row to indicate where the seedlings should appear. At first these seed-flats should be kept covered with glass or moist paper to prevent too rapid evaporation of moisture. Give seedlings plenty of fresh air.

Cultivate Patience

In connection with many Biennials and Perennials we must urge you to exercise patience. All Perennials, with the exception of a very few, are of slow germination. We give herewith a selection of Annuals and Perennials which, we

are satisfied, cannot fail to give satisfactory results, and which we can heartily recommend for the various purposes.

The Most Useful Annuals for Beds and Borders

Ageratum, blue. Alyssum, white. Asters, all colors. Candytuft, several colors. Celosias, mostly reds and yellows. Dianthus, many colors. Dimorphotheca, or Golden Orange Daisy, and its many yellow hybrids. Eschscholtzia, or California Poppies, in several colors. Hunnemannia, or Bush Eschscholtzia, the big yellow Tulip Poppy. Dwarf French Marigold. Dwarf Nasturtiums in many colors. Petunias, colors and mixtures. Phlox Drummondii, all colors. Portulaca, single and double. Verbenas in many colors and color combinations.

The Most Useful Annuals for Cut Flowers

Antirrhinum, or Snapdragon, in a wonderful assortment of colors. Asters of all kinds and colors. Calendula, or Pot Marigold. Calliopsis in many colors. Celosia plumosa. Magnificent. Centaurea cyanus of many kinds. Centaurea imperialis and Sweet Sultan. Chrysanthemum, with many bicolor flowers. Cosmos, both early- and late-flowering. Dianthus, or Pinks. Everlastings for winter decorations. Helianthus, or Sunflowers, especially the Cucumerifolius type. Larkspur of several types, in many shades. Mignonette. Nasturtiums, Nigella, Salpiglossis, Scabiosa, Sweet Peas, and Zinnias.

Most Easily Grown Perennials or Old-Fashioned Hardy Plants

Aquilegia, or Columbine. Candytuft, gibraltarica and sempervirens. Carnations. Centaurea americana and montana. Coreopsis, or Harvest Moon. Delphinium. Dianthus, or Hardy Garden Pinks. Scotch Pinks, and Feather Pinks. Digitalis, or Foxglove. Gypsophila paniculata, or Baby's Breath. Lupinus. Platycodon, or Chinese Bellflower. Hardy Phlox. Scabiosa, or Mourning Bride. Japonica and Caucasicas varieties. Stokesia Cyanea, or Cornflower Aster. Viola cornuta.

Note—To quickly find any or all of the above flowers, consult complete index.

Explanation of Abbreviations Used in the Descriptions

HARDY ANNUALS, HA. These should be sown outside in April or May, according to season, latitude, and condition of soil; or they may be sown at a somewhat earlier date in a hotbed or greenhouse, the combining of the two methods being advisable, thereby providing for a succession of plantings if both sowings prosper. Seed sown under glass will also produce earlier-blooming plants than seed sown outdoors.

HALF-HARDY ANNUALS, HHA, HALF-HARDY BIENNIALS, HHB, and HALF-HARDY PERENNIALS, HHP. These may be sown indoors, as above directed, from March to May, and outdoors after the middle of May. Many of the Biennials and Perennials will bloom the first season if sown early.

HARDY BIENNIALS, HB, and HARDY PERENNIALS, HP. Can be sown outdoors as soon as the soil is in good tillable condition. If sown early indoors, many of them will bloom the first season. Sowings made from July to September will produce well-established plants for the next season. These should be somewhat protected during the winter. Many seeds of Hardy Biennials and Hardy Perennials are of very slow germination, and seeds of such should not be condemned as bad if a quick germination does not show.

TENDER ANNUALS, TA, TENDER BIENNIALS, TB, and TENDER PERENNIALS, TP, can be sown in March in the greenhouse or in hotbeds in shallow boxes. Transplant to secure sturdy plants, which can be placed outdoors after danger of frost is over, about May 15.

HHA, HHB, and HHP designate Half-Hardy Annuals, Biennials and Perennials.

HB and HP designate Hardy Biennials and Perennials.

TA and TP designate Tender Annuals and Perennials.

Any species or variety to which no letters are affixed are to be considered as Hardy Annuals.

Cultivate the habit of keeping records of what you are doing in the garden. Garden records consist of plans, planting notes, and individual wooden labels with which each row should be marked. By means of these records it is possible to determine just which varieties of vegetables or flowers are best suited to your locality. In connection with all rows of flower seeds, and especially where seeds are sown in seed-flats, as illustrated above, we feel that 4-inch wooden labels are amply large enough to mark the rows. On these labels should be written the name of the variety and the date when the seeds were sown. For the convenience of our customers we provide 4-inch painted wooden labels for this purpose at **45 cts. per 100, postpaid.**

All Flower Seeds are Sent Postpaid at Catalogue Prices

ORDER FLOWER SEEDS BY NUMBER

1877



1933

Marigold Guinea Gold

(See Page 52)

Beckerts' Seed Store Select Flower Seeds

Complete Selection for Garden and Greenhouse



Wallflower Early Wonder



Godetia Carminea



Nigella Miss Jekyll

THREE SPECIALTIES OF UNUSUAL MERIT



*Worthy of a Place in Your 1933
Flower Garden*

Nigella (Love in the Mist)

4057 **MISS JEKYLL.** The airy grace lent by these flowers is delightful in the garden. As cut flowers they are also valuable. They may be easily arranged in low vases. Planted with California Poppies, Nigella provides a pleasing contrast in colors. Seeds may be sown in autumn and early spring as this annual is perfectly hardy. **10 cts. per pkt., 1/4 oz. 30 cts.**

Wallflower

5144 **Early Wonder.** Extra choice mixed, extra early forcing strain which blooms 85 to 90 days from the date of planting. The strain was produced by crossing the Perennial Double with the Early Annual, and should thrive and bloom profusely in warm and dry countries where formerly only Early Annual Singles were bloomed successfully. **Pkt. 25 cts., 1/4 oz. 75 cts.**

Godetia

3316 **CARMINEA.** We highly recommend the tall Azalea Flowered Godetias as they are borne on long stems making them very useful as cut flowers. We are offering the variety, Carminea. This variety is pink in color with a very striking marking. **15 cts. per pkg., 1/4 oz. 50 cts.**

"Seeds You Can't Keep Down"



ABUTILON (Flowering Maple). **TP.** Valuable house-plants and suitable for the outdoor garden except in the extreme northern states. If sown early indoors in boxes, or in the hotbed, they will bloom the first season. The plants should be lifted in the fall and brought indoors, where they will flower throughout the winter.

2006 **Hibiscus Flowered Hybrids.** Flowers held upright, ranging in colors from cream to golden yellow and from white to rose. Free blooming. **Pkt. 25 cts., 1/16 oz. \$1.25, 1/8 oz. \$2.25.**

2015 **ACHILLEA, The Pearl.** **HP.** Dainty, pure white, double flowers; easily grown from seed sown in ordinary garden soil, preferably a space open to the sunlight and in a well-drained situation. Will flower the first season if sown early and blooms continuously from spring to fall. Grows to a height of about 2 feet. **Pkt. 15 cts., 1/8 oz. 85 cts.**

2020 **ACONITUM Napellus** (Monkshood). **HP.** Lovely, dark blue flowers and handsome foliage. Fine for borders and masses. If sown early, Monkshood will usually bloom the first year but the flowers are best the second season. Thrives in shady places. **Pkt. 15 cts., 1/8 oz. 90 cts.**



A Border of Ageratum

AGERATUM HA

Extensively used for borders, ribbon lines, etc. Blooms all summer. Sow early for best results.

2034 **Blue Ball.** Very compact 6 inches high, deep blue in color. **Pkt. 15 cts., 1/8 oz. 30 cts., 1/4 oz. 50 cts.**

2036 **Blue Perfection.** Semi-dwarf; large, deep blue flowers. Fine for edging flower-beds and walks. **Pkt. 10 cts., 1/4 oz. 40 cts.**

2042 **Little Dorrit, Azure-Blue.** Low-growing and spreading. **Pkt. 10 cts., 1/4 oz. 40 cts.**

2043 **Little Dorrit, Pure White.** The best low-growing white. **Pkt. 10 cts., 1/4 oz. \$1.50.**

2051 **AGROSTEMMA Coeli-rosa** (Rose of Heaven). **HA.** Dainty little rose-colored flowers from July to September; nice for cutting. **Pkt. 10 cts., 1/2 oz. 40 cts.**

2053 **Coronaria atrosanguinea** (Mullein-Pink). **HA.** Deep blood-red, star-shaped flowers; silvery foliage; free-flowering hardy perennial of easy culture; blooms the first season; fine for cutting; 2 1/2 to 3 feet. June to August. **Pkt. 10 cts., 1/2 oz. 40 cts.**



Anchusa italica, Dropmore

2027 **ADLUMIA cirrhosa** (Allegheny Vine, or Mountain Fringe). **HB.** A fine vine for damp, cool spots; pink flowers. Sow the seed in spring; transplanting, if necessary, should be done in the fall. The plants do not attain their full growth and produce flowers until the second season. **Pkt. 15 cts.**

ADONIS. Very pretty, low-growing plants of the easiest culture; fine in masses and continuous bloomers.

2029 **Aestivalis** (Pheasant's Eye). **HA.** Bright scarlet. **Pkt. 10 cts., 1/4 oz. 20 cts.**

2031 **Vernalis** (Ox-Eye). **HP.** Large, yellow flowers; bloom the first season. **Pkt. 10 cts., 1/4 oz. 50 cts.**

ANEMONE (Windflower). **HP.** Lovely flowers in many shades of scarlet, blue, purple, and white; often over 2 inches in diameter, durable and elegant for cutting; finely cut foliage. 8 to 10 inches.

2105 **Double Chrysanthemum-flowered.** Fine, full double flowers in splendid mixture. **Pkt. 15 cts., 1/4 oz. \$1.00.**

2107 **St. Brigid.** Single and semi-double flowers in a wonderful array of colors. **Pkt. 25 cts., 1/4 oz. \$2.00.**

2205 **ARABIS alpina.** **HP.** A fine border plant, with verbena-like heads of snow-white flowers. **Pkt. 10 cts., 1/4 oz. 25 cts.**

ALYSSUM HA

A great favorite for borders and edging, as well as for baskets and window-boxes. Thrives anywhere and blooms all summer.

2070 **White Sweet Alyssum.** Honey-scented. **Pkt. 10 cts., 1/4 oz. 15 cts., oz. 40 cts.**

2071 **Little Gem.** Compact and bushy, erect-growing, covered with snowy white flowers; 4 to 6 inches high. **Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.**

2072 **Lilac Queen.** Like Little Gem in growth, but the flowers are delicate lavender; sweet-scented. **Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.**

2074 **Carpet of Snow.** Low and spreading; each plant about 1 1/2 feet across and only 3 inches high; flowers white. **Pkt. 10 cts., 1/4 oz. 25 cts., oz. 75 cts.**

2078 **ALYSSUM saxatile compactum** (Gold Dust). **HP.** Dwarf and bushy, bearing masses of pale yellow flowers in early spring. Thrives in the poorest soils and is particularly useful in rock-gardens. One of the most satisfactory creeping hardy plants. **Pkt. 10 cts., 1/4 oz. 50 cts.**

AMARANTHUS, HHA. Strong growers, requiring plenty of room, with decorative foliage and flower-spikes. Useful for tall borders, centers of beds, and among shrubbery.

2086 **Caudatus** (Love-Lies-Bleeding). Bronzy foliage and drooping, blood-red racemes. 2 to 3 feet. **Pkt. 10 cts., 1/4 oz. 25 cts.**

2088 **Tricolor splendens gigantea** (Joseph's Coat). Foliage scarlet, yellow and green. 4 feet. **Pkt. 10 cts., 1/4 oz. 20 cts.**

2092 **AMPELOPSIS Veitchii** (Boston Ivy). **HP.** An elegant hardy vine, attaching itself to stone, brick or woodwork. Stands dust and smoke well. The beautiful foliage takes on rich autumn tints. **Pkt. 10 cts., 1/4 oz. 25 cts.**

2098 **ANCHUSA italica, Dropmore.** **HP.** Plants 3 to 5 feet tall, bearing beautiful, large blue flowers in abundance during May and June. **Pkt. 15 cts., 1/4 oz. 25 cts., oz. 75 cts.**

2210 **ARCTOTIS grandis, HHA.** Bushy and free-flowering; daisy-like, white flowers with lavender or violet centers. 2 feet. **Pkt. 10 cts., 1/4 oz. 30 cts., 1/2 oz. 50 cts.**



ANTIRRHINUM (Snapdragon) HHB

Beckert's New Mammoth Snapdragons

Far surpassing in vigor of growth and size and profusion of blossoms any of the tall, large-flowering strains previously grown. Beckert's New Mammoth varieties represent the highest development yet attained in Antirrhinums. 2½ to 3 ft.

- 2111 **Apple Blossom**, rosy pink, white tube.
- 2115 **Canary Bird**, canary yellow, golden yellow center.
- 2116 **Cattleya**, rosy lilac.
- 2110 **Cerberus**, carmine, rose, yellow lip, white tube.
- 2119 **Copper King**, velvet copper scarlet.
- 2117 **Old Gold**, deep golden yellow.
- 2118 **Orchid**.
- 2123 **Purple King**, deep garnet, dark foliage.
- 2114 **Ruby**, rich velvety, ruby red.
- 2109 **Snowflake**, pure white, yellow lip.
- 2112 **The Rose**, rosy pink.
- 2124 **Mammoth Mixed**, mixture of the above varieties.
Each pkg. 15 cts., 1/16 oz. 40 cts., ¼ oz. 70 cts., ½ oz. \$1.25.

Large-Flowering Semi-Dwarf Varieties, Height about 1½ feet

- 2161 **Carmine Queen**, brilliant rose carmine.
- 2163 **Climax**, orange shading to yellow in lip.
- 2169 **Defiance**, orange scarlet.
- 2171 **Firebrand**, bright scarlet.
- 2160 **Gloria**, rich deep rose pink.
- 2175 **Golden Queen**, clear yellow.
- 2165 **Mauve Queen**, lilaca mauve.
- 2130 **Philadelphia Pink**, pure pink.
- 2157 **Purity**, pure white.
- 2164 **Rose Dore**, rose suffused orange.
- 2179 **Finest Mixture** from named varieties.
Each pkg. 10 cts., 1/16 oz. 25 cts., ¼ oz. 40 cts., ½ oz. 65 cts.

Antirrhinum Rock Hybrids

Early flowering hybrids forming small compact bushes very suitable for rock gardens, mixture of rose, pink, purple and mauve. Pkg. 25 cts., 1/16 oz. 65 cts., ¼ oz. \$1.15.

Forcing Antirrhinums for Greenhouse Use

- 2159 **Jennie Schneider** } beautiful salmon pink.
Pkt. 1/16 oz. ¼ oz.
- 2154 **Rock's White** } 50 cts. 85 cts. \$1.50
- 2156 **Roman Gold**, rich old gold. Pkg. 50 cts.
- 2158 **Ceylon Court**, canary yellow. Pkg. 50 cts.
- 2155 **His Excellency**, brilliant orange scarlet. Dwarf, large flowered.
Pkg. 50 cts.



Copper King Snapdragon

AQUILEGIA (Columbine) HP

- 2192 **Chrysantha**. Pure yellow, long spurs; unusually large flowers. Pkt. 10 cts.
- 2193 **Chrysantha grandiflora alba**. Large, double, ivory-white flowers. Pkt. 10 cts.
- 2195 **Caerulea** (Rocky Mountain Columbine). Large flowers with long spurs; deep blue and white. One of the finest. Pkt. 10 cts., ¼ oz. 50 cts., ½ oz. 85 cts.
- 2190 **Single Mixed Caerulea**. Pkt. 10 cts., ¼ oz. 35 cts.
- 2199 **Double Mixed Caerulea**. Pkt. 10 cts., ¼ oz. 45 cts.
- 2197 **Mrs. Scott Elliott's Hybrids**. A famous strain of long-spurred Columbines, particularly rich in the light colors and pastel shades. We offer seed direct from the originators. Pkt. 20 cts., ¼ oz. 75 cts.
- 2198 **Long-spurred Hybrids**. This wonderful selection comprises many new and beautiful shades and combinations. The plants are vigorous and stately in growth, producing their large and elegantly spurred flowers in abundance. Pkt. 15 cts., ¼ oz. 75 cts.
- 2475 **AUBRIETIA, Large-flowering Hybrids** (Rock Cress). HP. Perpetual bloomers, in growth resembling Alyssum. Large flower-sprays in many shades of crimson, purple, blue, pink and lilac; ever-green foliage. Pkt. 25 cts.
- ASPARAGUS** (Florists'). TP. Graceful plants extensively grown for their dainty, emerald green foliage, which is used in floral designs and bouquets.
- 2221 **Plumosus nanus**. The florists' "asparagus fern." Beautiful sprays of misty, fern-like foliage. Pkt. 15 cts., 100 seeds 75 cts.
- 2223 **Sprengeri**. The best variety for pots and baskets. Pkt. 10 cts., 100 seeds 50 cts.



Long-spurred Aquilegia

"Seeds You Can't Keep Down"



Early Branching Royal Asters

EARLY BRANCHING ROYAL ASTERS. These follow the Queen of the Market Asters. Large, full, double flowers on long, straight stems. Free-blooming and fine for cutting, 2 feet.

2260 White	2264 Bright Rose	2272 Purple
2262 Shell-Pink	2268 Lavender	2274 Mixed

Each, pkt. 10 cts., 1/4 oz. 75 cts.

2284 GIANT CALIFORNIA SUNSHINE ASTERS. The Most Beautiful Aster in the World. This new strain of supremely beautiful Asters is the result of a direct cross between our now well-known California Giants and the dwarf, much-branched Sunshine type, hence the name. Plants of this new race grow 3 feet high and bear blossoms on long, stiff stems, admirable for cutting. The individual blooms are enormous, 4 to 5 and 6 inches in diameter. The grace and beauty of build, with cushiony centers of tubular bifurcate petals and the rim of exquisitely poised out-guard petals surrounding the central disk, make for a lace-like perfection and daintiness of form and contour that must appeal to the most aesthetic taste.

We offer this magnificent strain of Asters in Mixed Colors of Enchantress Pink, Appleblossom, Deep Rose, Blue and Lavender, all with disk of lovely light yellow. Pkt. 25 cts., 1/4 oz. 75 cts.

INVINCIBLE EARLY BRANCHING. Tall-growing; branching habit; fine for cutting; coming into bloom about a week earlier than the American Late Branching Asters, which they resemble.

2310 White	2316 Red	2320 Purple
2312 Light Rose-Pink	2318 Lavender	2322 Mixed

Each, pkt. 10 cts., 1/4 oz. 50 cts., oz. \$1.50

QUEEN OF THE MARKET ASTERS. The first to bloom. Of medium height and branching habit. Popular for early cut-flowers, 18 inches.

2241 White	2248 Scarlet	2254 Dark Blue
2242 Blush-Pink	2249 Crimson	2255 Purple
2245 Rose	2251 Lavender	2258 Mixed Colors

Each, pkt. 10 cts., 1/4 oz. 50 cts.

ASTERS HHA

No garden is complete without the China Asters. Lovely in form and color and easy to grow, they make most attractive beds and are the leading cut-flower from midsummer until the appearance of the chrysanthemums. They come in many types, differing in form of flower, habit of growth, and season of bloom.

Asters delight in a rich, moist soil, and, to produce the largest and finest flowers, they should have plenty of room and be given frequent cultivation. For the earliest flowers, start the seed indoors in March and transplant the seedlings to the open ground when they are about 4 inches high. For later bloom, the seed may be sown in the garden in May after the soil is warm. The plants should be thinned out to stand at least a foot apart.

NEW CALIFORNIA GIANT ASTERS

In this splendid new strain, the earliness and the beautiful fluffy Comet type of flower of the Crego Asters is combined with the giant size and vigor of the American Beauties. The flowers are full-centered and substantial, averaging 5 to 6 inches across, and produced on stout stems 18 to 24 inches long without disbudding. We urge all who grow Asters for cut-flowers to try the California Giants, believing they are destined to become the most valuable of all Asters for cutting.

2392 Peach Blossom.	2394 Deep Rose.	2396 Light Blue.
2398 Purple.	2391 White	2390 Mixed

Pkt. 25 cts., 1/4 oz. 75 cts.

LATE AMERICAN BEAUTY ASTERS

The American Beauty Asters produce the largest flowers on the longest stems of any of the Asters, rivaling the chrysanthemums in size and beauty. On account of their immense size and long, stout stems they are pre-eminently desirable for cutting. The flowers have the incurving petals and full-centered form of the popular Late Branching type. There are two strains of the Giant American Beauty Asters. The varieties we list are of the so-called early type, blooming at the same time as the Cregos and American Branching.

2421 Pure White	2423 Lavender	2425 Purple
2422 Rose	2424 Crimson	2427 Mixed

Each, pkt. 20 cts., 1/4 oz. 75 cts.

We offer the best of the many standard strains below, listing them in the order in which they come into flower to guide those who wish to plant for a constant succession of bloom from July until frost.

CREGO'S GIANT COMETS. Sturdy, branching plants, 2 feet tall. Large, fluffy flowers with flat, recurved, twisted petals on good stems. Fine for both bedding and cutting.

2350 White	2355 Crimson	2360 Purple
2351 Shell-Pink	2357 Lavender	2362 Mixed
2353 Deep Rose	2358 Azure-Blue	

Each, pkt. 10 cts., 1/4 oz. 50 cts.

THE KING ASTERS. A distinct and most attractive type, producing large flowers with straight, quilled petals on long, stiff stems, 20 inches.

2375 White	2382 Crimson	2385 Violet
2379 Rose	2383 Lavender	2387 Mixed Colors

Each, pkt. 10 cts., 1/4 oz. 65 cts.

VICKS or AMERICAN LATE BRANCHING. Blooming in September, these are the most popular and widely grown of all the Asters. Vigorous plants, 2 1/2 feet or more in height, covered with large, double flowers on extra-long stems. Excellent for cutting.

2401 Pure White	2404 Deep Rose	2409 Azure-Blue
2402 Shell-Pink	2407 Crimson	2411 Purple
2403 Light Rose	2408 Lavender	2414 Mixed

Each, pkt. 10 cts., 1/4 oz. 50 cts.

SINGLE GIANTS OF CALIFORNIA. This wonderful Aster was developed from the Double Giants of California type. The flowers are large, measuring three to four inches across, with stems 18 to 24 inches in length. The petal has a slight twist, which adds a piquant touch to its beauty. The white blossoms resemble Shasta Daisies in appearance, but their greater length of stem makes them more graceful and better adapted to florists use. In the garden, the Single Giants of California add a charming note of simplicity among the fuller types of asters. We believe this new, single type of Aster is destined to become very popular.

2285 White	2289 Light Blue
2287 Rose	2290 Purple

Pkt. 15 cts., 1/4 oz. 75 cts.

2292 Mixed Colors. Pkt. 10 cts., 1/4 oz. 60 cts.

OTHER STANDARD VARIETIES OF ASTERS ARE LISTED ON THE NEXT PAGE



ASTERS, continued VARIOUS SPECIAL STRAINS

- 2443 **INDIAN SUMMER**, *Crego* type. The blooms measuring $4\frac{1}{2}$ to 5 inches in diameter, color cinnabar. The flowers are very double, with attractively curled and twisted petals. **Pkt. 15 cts., $\frac{1}{8}$ oz. 50 cts.**
- 2444 **AURORA**. Bright yellow center with delicate blue petals. **Pkt. 15 cts., $\frac{1}{8}$ oz. 50 cts.**
- 2447 **PEERLESS YELLOW**. Best yellow. **Pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts.**
- 2439 **HEART OF FRANCE**. Plants about 2 feet high, branching habit. Flowers medium size. Rich dark red. **Pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts.**
- 2437 **CRIMSON GIANT**. Plants about $2\frac{1}{2}$ feet tall. Flowers large, double bright crimson and very showy. **Pkt. 10 cts., $\frac{1}{8}$ oz. 40 cts.**
- 2449 **LAVENDER GEM**. Plants about 18 inches tall, upright habit. Flowers comet type, silvery white when young, changing to light lavender when fully expanded. **Pkt. 10 cts., $\frac{1}{8}$ oz. 40 cts.**
- 2442 **MORETON PINK**. This is the upright comet type. It is a beautiful shade of flesh or malmaison pink. **Pkt. 10 cts., $\frac{1}{8}$ oz. 50 cts.**
- 2445 **NEW BALL'S WHITE**. Pure white dwarf branching habit, medium early. **Pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts.**

HARDY ASTERS, or MICHAELMAS DAISIES HP

Growing 3 to 5 feet tall, covered in late summer with single flowers. White, Lavender, Violet and Intermediate shades.

- 2465 **Finest Mixed**. **Pkt. 15 cts., $\frac{1}{8}$ oz. 40 cts., $\frac{1}{4}$ oz. 75 cts.**
- 2481 **BALLOON VINE** (*Cardiospermum*). **HHA**. A rapid-growing climber. White flowers, succeeded by balloon-like seed vessels. Climbs 10 to 15 feet within six weeks. **Pkt. 10 cts., $\frac{1}{4}$ oz. 20 cts.**

BALSAM (Lady's Slipper) HHA

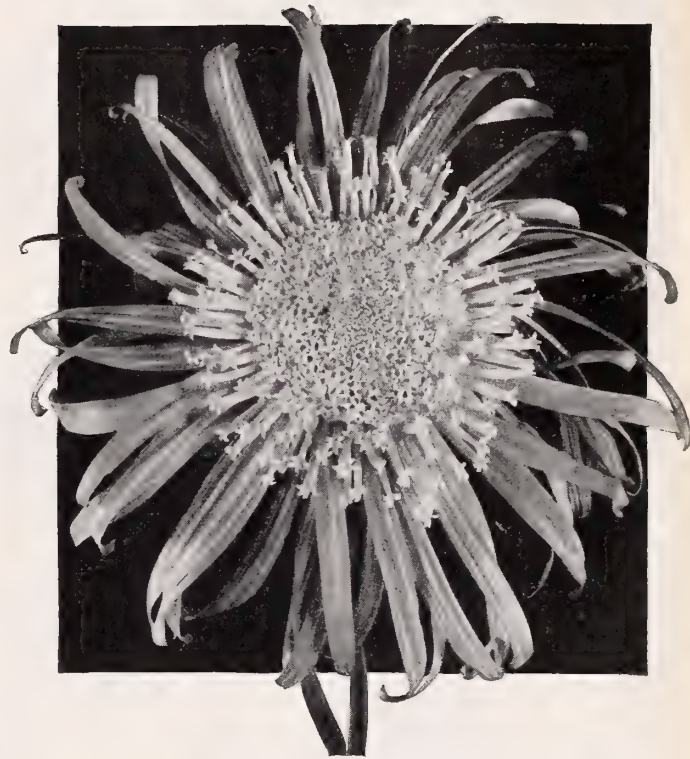
- 2499 **Many Colors Mixed**. **Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.**

BELLIS PERENNIS (English Daisy) HP

- 2535 **GIANT LONGFELLOW**. The rose-colored flowers are large and double. **Pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts.**
- 2537 **GIANT SNOWBALL**. Large, double, white. **Pkt. 15 cts., $\frac{1}{8}$ oz. 60 cts.**
- MONSTROSA VARIETIES**. Very double and borne on long and rigid stems.
- 2540 **Pink** 2542 **White** 2544 **Mixed**
Each, **pkt. 15 cts., $\frac{1}{8}$ oz. 75 cts.**
- 2546 **ETNA**. Deep red; large and double, with quilled petals. **Pkt. 20 cts., $\frac{1}{8}$ oz. 75 cts.**
- 2507 **BETA** (Ornamental-leaved Beet). **TB**. For edging and borders. Very showy; midribs and leaf-stalks intensely colored. Golden, crimson and rose shades mixed. **Pkt. 10 cts., oz. 20 cts.**
- 2549 **BLUE LACE FLOWER** (*Trachymene* or *Didiscus caerulea*). **HHA**. Erect and branching, about 2 feet high, with spreading heads of dainty lavender-blue flowers on long stems. Splendid for cutting. **Pkt. 15 cts., $\frac{1}{8}$ oz. 35 cts., $\frac{1}{4}$ oz. 65 cts.**
- 2559 **BROWALLIA ELATA, MIXED**. Blue or white flowers during the summer and autumn months; grows freely in any rich soil. **Pkt. 25 cts.**

CALCEOLARIA (Slipperwort) TP

- Gorgeous greenhouse plants bearing hundreds of pocket-shaped, brilliantly colored flowers.
- 2569 **PRIZE STRAIN**. Exceedingly rich colors, perfect form and fine substance. The finest strain produced. **Pkt. 50 cts.**



Aster, Sunshine

BEGONIA TP

The Begonias are ever popular and not at all difficult to grow, although the seed is fine and must be carefully handled. The *Semperflorens* and *Erfordia* varieties are excellent for bedding and make nice pot-plants for decorative purposes. The *Gracilis* varieties bloom later but make particularly fine pot-plants on account of their bushy growth.

- 2511 **ERFORDIA**. Handsome dark foliage and rosy carmine flowers. 1 foot high. **Pkt. 25 cts.**
- 2515 **SEMPERFLORENS, SALMON QUEEN**. A most attractive new variety with large, salmon-colored blossoms and dark foliage. **Pkt. 25 cts.**
- 2517 **SEMPERFLORENS, VERNON**. A grand old favorite, often grown as a Christmas-flowering pot-plant and fine for bedding. Branching habit; dark green foliage, shaded bronzy red; carmine-scarlet flowers. **Pkt. 15 cts.**
- 2518 **SEMPERFLORENS, DWARF VERNON**. Forms small, round, compact plants which are literally covered with brilliant red flowers; foliage deep, brownish red. **Pkt. 15 cts.**
- 2521 **GRACILIS LUMINOSA**. Fiery, dark scarlet flowers; satiny brown foliage; fine for winter flowering. **Pkt. 25 cts.**
- 2523 **GRACILIS, PRIMA DONNA**. Large, handsome plants covered with bright rose-pink flowers; shining green foliage. **Pkt. 25 cts.**
- 2525 **GRACILIS, WHITE PEARL**. A fine companion to *Prima Donna*; flowers pure snowy white; free-blooming. **Pkt. 25 cts.**
- 2528 **BECKERT'S SUPERB MIXTURE**. A special blend of all colors in bedding Begonias. **Pkt. 25 cts.**

BRACHYCOME iberidifolia (*Swan River Daisy*). **HHA**. One of the daintiest and most charming little flowers imaginable; easy to grow in any soil. The flowers are borne on graceful stems well above the delicate, finely lacinated foliage. Ideal for low beds and borders. 8 to 10 inches.

- 2551 **Blue** 2553 **White**
2552 **Rose** 2554 **Mixed Colors**
Each, **pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.**



CALENDULA (Pot Marigold) HA

- 2581 **Campfire or Sensation.** Dark orange. Pkt. 25 cts., ¼ oz. \$1.00.
 2575 **Ball's Gold.** Deep golden yellow. Pkt. 25 cts., ¼ oz. \$1.00.
 2574 **Ball's Orange.** Pkt. 25 cts., ¼ oz. \$1.00.
 2584 **Ball's Supreme.** Orange, dark center. Pkt. 25 cts., ¼ oz. \$1.00.
 2582 **Golden Radio.** Our growers have succeeded in developing a golden Calendula containing all the attractive characteristics of that outstanding introduction Orange Radio. It is our belief that this Calendula, Golden Radio, will meet with the same unanimous welcome by all growers. Pkt. 35 cts., 3 for \$1.00.

We recommend the above varieties for Florist use.

- 2576 **Lemon Queen or Sulphurea.**
 2578 **Metor.** Creamy white with striped orange.
 2579 **Nankeen.** Cream flushed apricot.
 2580 **Orange King.** Dark center.
 2585 **Double Mixed Varieties.**

Above varieties each at pkt. 10 cts., ¼ oz. 25 cts., ½ oz. 40 cts.

CAMPANULA (Bellflower)

A family containing many beautiful border plants and several varieties suitable for pot-plants; mainly hardy biennials and perennials which thrive best in light, moderately rich soils, bearing a profusion of dainty, bell-shaped flowers.

MEDIUM (Canterbury Bells.) **HB.** Large, bell-shaped flowers in many shades. Elegant border or pot-plants. A small proportion of the seedlings will always vary from color. 2 to 2½ feet.

- 2611 **Single Blue** 2614 **Single Rose** 2615 **Single White**
 2616 **Single Striped** 2617 **Single Mixed**
 Each, pkt. 10 cts., ¼ oz. 30 cts.

2619 **Double Mixed.** Produces a goodly percentage of true double-flowering plants. Pkt. 15 cts., ¼ oz. 60 cts.

CALYCANTHEMA (Cup-and-Saucer). **HB.** Delightful in form and colors, and elegant subjects for the garden or for pot-culture. 2 to 2½ feet.

- 2621 **Blue** 2624 **Rose** 2625 **White** 2627 **Mixed**
 Each, pkt. 15 cts., ½ oz. 50 cts.

CARPATICA (Harebell). **HP.** Graceful plants with many delicate little cup-shaped flowers. Attractive and lasting; suitable for borders.

- 2631 **Blue** 2633 **White** 2634 **Mixed**
 Each, pkt. 15 cts., ½ oz. 50 cts.

PERSICIFOLIA (Peach Bells). **HP.** Large, cup-shaped flowers; long, slender leaves. 2 feet. Elegant for pot-plants as well as borders. Giant-flowering strains.

- 2638 **Single Giant Blue** 2639 **Single Giant White** 2640 **Single Giant Mixed**
 Each, pkt. 15 cts., ½ oz. 75 cts.

PYRAMIDALIS (Chimney Bellflower). **HP.** Stately plants, 4 to 5 feet high, with large, tubular flowers; fine for borders or as large pot plants.

- 2647 **Blue and White Mixed.** Pkt. 15 cts., ½ oz. 40 cts.

CALLIOPSIS (Bright Eyes) HA

Very attractive, free-flowering plants of the easiest culture, thriving in any ordinary soil and blooming all summer long. The showy flowers are carried on long stems and are fine for cutting. The dwarf varieties make good potplants.

- 2591 **Dwarf Crimson King.** Grows 8 inches high; covered with dark, glowing crimson flowers. Pkt. 10 cts., ¼ oz. 30 cts.



Calendula, Orange King

- 2593 **Dwarf Tiger Star.** Reddish brown striped with bright yellow. Pkt. 10 cts., ¼ oz. 30 cts.

- 2595 **Drummondii** (Golden Wave). Bright yellow flowers with brown eyes. 2 feet tall. Pkt. 10 cts., ¼ oz. 30 cts.

- 2599 **New Hybrids, Mixed.** A beautiful strain; tall-growing and free-blooming; flowers bright yellow, old-gold, blood-red and brown, many spotted and striped. Pkt. 10 cts., ¼ oz. 30 cts.

CANDYTUFT (Iberis) HA

Valuable for masses and edging, and for cutting; free-flowering.

- 2664 **Giant Hyacinth-flowered, or Empress.** Very fine, large heads of pure white flowers. 1 foot. Pkt. 10 cts., ¼ oz. 25 cts., oz. 75 cts.

- 2666 **Little Prince.** Dwarf and compact, covered with extra-large trusses of pure white. Splendid for edging. Pkt. 10 cts., ¼ oz. 25 cts.

- 2668 **Dwarf Hybrids.** Large spikes, valuable for cutting or borders; carmine, flesh, lilac, and purple mixed. Pkt. 10 cts., ¼ oz. 25 cts.

- 2672 **Rose-Cardinal.** Flesh-pink. Pkt. 10 cts., ¼ oz. 25 cts.

- 2670 **Creamy White** 2674 **Crimson**
 2673 **Carmine** 2675 **Lavender**

Each, pkt. 10 cts., ¼ oz. 25 cts., oz. 60 cts.

- 2677 **Mixed.** All colors. 10 inches. Pkt. 10 cts., oz. 50 cts.

- 2679 **GIBRALTARICA HYBRIDS.** **HP.** A compact form with purple and white flowers. 1 foot. Pkt. 10 cts., ¼ oz. 60 cts.

- 2681 **SEMPERVIRENS.** **HP.** Evergreen, glossy foliage; flowers white. Fine for rock-gardens. 6 inches. Pkt. 15 cts., ½ oz. 65 cts.



A border of Empress Candytuft



- 2659 **CANARY CREEPER** (*Tropaeolum canariense*). **HHA**. An elegant vine for vase or trellis. Daintily fringed, bright yellow flowers; deeply divided, light green foliage. 10 to 15 feet. **Pkt. 10 cts., ¼ oz. 20 cts.**
- CANNA** (Indian Shot). **HHP**. For heavy flower and foliage effects. The seeds should be soaked in warm water before sowing.
- 2685 **Large-flowering Mixed**. Saved from best varieties. 3 to 4 feet. **Pkt. 10 cts., oz. 50 cts.** Named varieties of Cannas do not come true from seed. For **Canna Roots**, see page 66.
- 2697 **CARDINAL CLIMBER** (*Ipomoea Quamoelit hybrida*). **HHA**. A brilliant and beautiful climber, growing rapidly and attaining a height of 30 feet. Foliage fern-like; flowers cardinal-red, 1½ inches across, borne in clusters and produced in great profusion from mid-summer until frost. The seeds should be started indoors, but may be sown in the open in late May. Soaking the seed or notching the seed-coat will hasten germination. **Pkt. 15 cts., ¼ oz. 35 cts., ½ oz. 60 cts.**

CARNATION (*Dianthus Caryophyllus*) **HP**

- These may nearly all be flowered the first season by sowing early. Seedlings possess great vigor and, as a rule, produce more flowers than plants from cuttings.
- 2704 **Giant Marguerite**, or **Malmaison**. Early-flowering; seed sown in February will flower in June. Fine for cut-flowers. Splendid mixture from largest flowers. **Pkt. 10 cts., ½ oz. 50 cts.**
- Marguerite, Half Dwarf**. Valuable cut-flower varieties: sweet-scented and bloom from July to frost from February-sown seed. Flowers large. 1 foot.
- 2706 **White** 2709 **Scarlet** 2711 **Crimson** 2717 **Mixed**
Pkt. 10 cts., ½ oz. 50 cts., ¼ oz. 85 cts.
- 2719 **Chaubaud's Everblooming**. Bears a high percentage of double flowers of the largest size, blooming five to six months after sowing. **Pkt. 10 cts., ½ oz. 50 cts.**
- 2721 **Grenadin**, or **Hardy Border Carnations**. A fine strain of double Carnations for outdoor culture, flowering the second season. Bright colors. **Pkt. 10 cts., ½ oz. 50 cts.**

CELOSIA TA

- PLUMED TYPE**. Of pyramidal growth with superb, pointed plumes, making grand pot-plants and gorgeous beds, blooming from July to September. Prefers a fairly rich soil.
- Thompson's Magnificent**. Improved varieties; splendid colors; 2 feet.
- 2737 **Golden Yellow** 2738 **Orange-Red** 2739 **Scarlet**
2740 **Crimson** 2742 **Magnificent Mixed**
Each, **pkt. 10 cts., ¼ oz. 50 cts.**
- 2745 **Pride of Castle Gould**. Compact, pyramidal plants with immense flower-heads shaped like ostrich plumes, in many brilliant colors. **Pkt. 25 cts., ½ oz. 90 cts.**
- CHINESE WOOLFLOWER**. The finest of the Celosias for bedding and also splendid for cutting. Each plant produces many enormous, ball-shaped flower-heads. 2 feet tall.
- 2730 **Yellow** 2731 **Crimson** 2732 **Scarlet** 2733 **Pink**
Each, **pkt. 15 cts., ½ oz. 35 cts.**
- COCKSCOMB** (*Celosia cristata*). Distinct and handsome; makes fine decorative plants and unique beds. The comb-like heads grow to a large size. Sow the seed indoors in March or outside in May.
- 2727 **Empress**. Enormous, crimson heads, dark foliage. 10 inches. **Pkt. 15 cts., ½ oz. 50 cts.**
- 2729 **Dwarf Mixed**. Plants average 8 inches high; combs in shades of red and yellow. **Pkt. 10 cts., ½ oz. 35 cts.**

CENTAUREA IMPERIALIS HA (Giant Sweet Sultan)

- Beautiful large flowers. Vigorous growers. 3 to 3½ feet tall.
- 2765 **White** 2767 **Lilac** 2768 **Deep Lavender** 2769 **Purple**
2771 **Rose** 2772 **Rose and White** 2773 **Amaranth-Red**
Each, **pkt. 10 cts., ¼ oz. 35 cts.**
- 2774 **Mixed**. All colors. **Pkt. 10 cts., ¼ oz. 25 cts.**
- 2776 **Suaevolens** (Yellow Sweet Sultan). Honey scented. **Pkt. 10 cts., ¼ oz. 35 cts.**



Border Carnations

CENTAUREAS

(The Cornflower Family)

- CYANUS** (Cornflower, Bachelor's Button, or Bluebottle). **HA**. Easy to grow; free-blooming.
- 2757 **Single Blue**. The original Cornflower; deep blue. 2½ feet. **Pkt. 10 cts., ¼ oz. 25 cts.**
- 2760 **Double Blue**. 2761 **Double Pink**. 2762 **Double White**.
Each, **pkt. 10 cts., ¼ oz. 25 cts.**
- 2763 **Double Mixed**. A fine assortment of colors, ranging from white to rose and from light to dark blue. About 60 percent come double. **Pkt. 10 cts., ¼ oz. 25 cts.**
- AMERICANA**. **HA**. A giant variety, growing 4 and 5 feet high, with immense flowers.
- 2752 **Deep Lavender** and 2753 **White**. Each, **pkt. 10 cts., ¼ oz. 40 cts.**
- 2780 **CANDIDISSIMA**. **HHP**. Grown for its handsome, silvery foliage; used for bedding, edging, baskets, etc. 9 inches. **Pkt. 10 cts., ½ oz. 50 cts.**
- 2782 **GYMNOCARPA**. **HHP**. Silver foliage; a popular bedding variety. **Pkt. 10 cts., ¼ oz. 40 cts.**
- 2784 **MONTANA** (Perennial Cornflower). **HP**. Large, showy, deep blue flowers. **Pkt. 10 cts., ¼ oz. 40 cts.**

"Seeds You Can't Keep Down"



ANNUAL CHRYSANTHEMUMS HA

Known as Painted Daisies and Summer Marguerites. Very showy; useful as pot-plants as well as for cutting and bedding; bloom in late summer. They require plenty of room but little care.

- 2795 **Coronarium, Double Mixed.** Full-center, with many petals. Shades of cream and lemon-yellow. Pkt. 10 cts., ¼ oz. 25 cts., ½ oz. 40 cts.
- 2797 **Inodorum, Snowball** (Bridal Robe). Dwarf; very double, pure white flowers, 1½ inches in diameter; fine foliage. Elegant pot-plants and nice for beds, 1½ feet tall. Pkt. 10 cts., ¼ oz. 50 cts., ½ oz. 90 cts.
- CARINATUM VARIETIES.** The showiest of the annual Chrysanthemums, 2 to 3 feet high.
- 2803 **Eclipse.** Golden yellow with a scarlet ring. Pkt. 10 cts., ¼ oz. 35 cts.
- 2805 **Northern Star.** White with purple center. Pkt. 10 cts., ¼ oz. 35 cts.
- 2808 **Single Mixed.** Many bright colors. Pkt. 10 cts., ¼ oz. 25 cts.
- 2809 **Double Mixed.** Very showy. Pkt. 10 cts., ¼ oz. 35 cts.
- SEGETUM VARIETIES.** Mostly shades of yellow; sometimes forced for winter bloom; 1½ feet high.
- 2811 **Eastern Star.** Primrose-yellow with brown disc. Pkt. 10 cts., ¼ oz. 35 cts.
- 2812 **Evening Star.** Rich golden yellow. Pkt. 10 cts., ¼ oz. 35 cts.
- 2814 **Morning Star.** Canary-yellow with deeper center. Pkt. 10 cts., ¼ oz. 35 cts.

PERENNIAL CHRYSANTHEMUMS

- 2819 **Frutescens grandiflora** (Marguerite, or Paris Daisy). GP. White or lemon-yellow with yellow eye. May be had in bloom the year around but is especially grown for winter flowers. 3 feet. Pkt. 15 cts.
- 2821 **Japonicum, HHP.** Fine, double flowers of the Japanese type. Easily grown from seed and, if sown early, they will bloom the first season. Pkt. 25 cts.
- SHASTA DAISY** (*Chrysanthemum maximum*). HP. Most famous Burbank's floral novelty.
- 2825 **Alaska.** Extra-large, pure white flowers; fine for the borders and for cutting. 2½ feet. Pkt. 25 cts.

CINERARIA TP

Distinct and ornamental house plants, bearing magnificent heads of velvety flowers, in white, all shades of blue from pale to dark blue, pink, carmine, and crimson, with many bicolors.

- 2830 **Hybrida grandiflora.** A prize strain; large-flowering and unsurpassed for richness of color. 1½ feet tall. Pkt. 50 cts.
- 2832 **Hybrida grandiflora, Semi-Dwarf.** Plants about 1 foot tall; compact in growth and bearing large, superbly colored flowers in profusion. Pkt. 50 cts.
- 2834 **Hybrida grandiflora, Matador.** A French variety, bearing large scarlet flowers. Pkt. 50 cts.
- 2837 **Hybrida stellata** (Star Cineraria). Star-shaped flowers with narrow petals, in many pleasing colors. Highly decorative. 1½ feet high. Pkt. 50 cts.
- 2838 **Multiiflora Hybrid.** Splendid dwarf profusely blooming hybrids. Pkt. 50 cts.
- 2839 **Maritima, Diamond.** HP. Grown for its highly ornamental, silvery white foliage. For both pots and bedding. 1 foot. Pkt. 10 cts.

- 2855 **CLEOME** (Giant Spider Plant). HA. Spikes of rose-pink flowers which, on account of their long, wiry stamens, bear a strange resemblance to spiders. A vigorous grower and bloomer, excellent for tall borders. 3 to 4 feet. Pkt. 10 cts., ¼ oz. 25 cts.



A Vase of Cosmos

Collinsa

- 2870 **Verna**, white with blue lower lip. Pkt. 15 cts.
- 2872 **Mixed.** Pkt. 10 cts.

COSMOS HHA

One of our most popular annuals for tall borders and for cutting, blooming in late summer and fall. Of tall and upright growth with finely cut foliage and graceful, long-stemmed showy flowers that last well in water. For early flowers the seed should be sown in boxes in March or April, or planted in the open ground as soon as all danger from frost is past. Pinch back plants when they are once well established, as this makes them more sturdy and compact and encourages them to bloom earlier and more freely.

THE NEW EARLY DOUBLE-CRESTED. This fine, new type makes particularly effective flowers for cutting. About 75 percent of the seedlings will bear large, beautifully formed flowers with full-double centers and an outer row or crest of guard petals. Blooms from early August until frost. 5 feet tall.

- | | |
|---|--------------|
| 2907 White | 2909 Crimson |
| 2908 Pink | 1910 Mixed |
| Packets only, 20 cts each, ¼ oz. 90 cts., ½ oz. \$1.60, oz. \$2.75. | |

MAMMOTH EARLY-FLOWERING. An extra-select strain, combining extreme earliness with great vigor and unusual size of flowers. Commences to bloom in July and continues until cut down by frost. The flowers often measure 4 inches across. 5 feet.

- | | |
|------------|--------------|
| 2893 White | 2895 Crimson |
| 2894 Pink | 2896 Mixed |

Each, pkt. 10 cts., ¼ oz. 25 cts.

GIANT LATE, or LADY LENOX. Blooms in September and produces the largest flowers of all, with wide, overlapping petals and long stems. 6 to 7 feet.

- | | |
|------------------|--------------------|
| 2901 Giant White | 2903 Giant Crimson |
| 2902 Giant Pink | 2905 Giant Mixed |

Each pkt. 10 cts., ¼ oz. 25 cts.

2915 **KLONDYKE.** A distinct form, growing about 4 feet high and bearing a profusion of orange-yellow flowers 2 to 3 inches in diameter. Should be started early indoors. Grown as a pot-plant. Pkt. 10 cts., ¼ oz. 50 cts.



Annual Chrysanthemums

CLARKIA HA

A showy and easily grown annual, nice for bedding, cutting and pots. An improved strain with large, double flowers. 1½ feet.

- 2844 **White Prince.** Pure-White.
- 2845 **Apple Blossom.**
- 2846 **Salmon Queen.** Salmon-pink.
- 2848 **Scarlet Queen.** Orange-scarlet.
- 2849 **Brilliant.** Crimson.
- 2850 **Purple Prince.**
- 2851 **Finest Mixed.**
- Each, pkt. 10 cts., ¼ oz. 50 cts.



Beckert's Seed Store

CYCLAMEN TP

Binnewie's Select Strain

We are the sole agent, in Pittsburgh and vicinity, of the wonderful Binnewie's strain of Cyclamen seed.

The new crop of seed usually arrives the latter part of May. Orders are booked for delivery on arrival.

We are pleased to list some of the finest and newest varieties introduced by this famous European breeder.

NOTE—Special prices on large quantities quoted on request.

No.		Pkt.	* 100 Seeds
2923	Bonfire, Salmon Scarlet	\$.50	\$2.00
2925	Dark Blood Red .....	.50	2.00
2938	Mozart, Deep Pink—New .....	.75	2.50
2940	New Salmon Rose—Improved .....	.50	2.00
2946	Orange Beauty—New .....	.75	2.50
2952	Pink, Pearl—New .....	.75	2.50
2954	Pure Rose .....	.50	2.00
2930	Pure White .....	.50	2.00
2955	Saffron Red, Silver Edged—New... .	.75	2.50
2961	Salmon—Color Dark .....	.50	2.00
2962	Salmon—Color Light .....	.50	2.00
2963	Salmon—Color Rose—Improved ...	.50	2.00
2964	Salmon—Color Scarlet		
	(Christmas Color) .....	.75	2.50
2965	Soft Rose with Carmine Eye .....	.50	2.00
2966	White with Carmine Eye .....	.50	2.00
2859	COBAEA scandens (Cathedral Bells). TP. A popular, very rapid-growing climber with large, bell-shaped blue flowers. Pkt. 10 cts., ¼ oz. 40 cts.		
2868	COLEUS. Prize Mixed. TP. Seed saved from collections of the newest and choicest varieties. Pkt. 20 cts.		

2878 **COREOPSIS lanceolata grandiflora** (Perennial Calliopsis). HP. Bright, golden yellow flowers, 3 inches in diameter, borne on strong stems, from early summer until fall. One of the brightest and most valuable of the perennial flowers for cutting and borders. 1½ feet. Pkt. 10 cts., ¼ oz. 30 cts.

For annual Coreopsis, see Calliopsis on page 43.

CYNOGLOSSUM

2921 **Amiable.** Blue forget-me-not like flowers delicately sweet scented. Pkt. 15 cts., ¼ oz. 40 cts.

2924 **Furcatum.** Dwarf plants deep blue in color. Pkt. 15 cts., ¼ oz. 40 cts.



Coreopsis lanceolata grandiflora

CYPRESS VINE (Ipomoea)

2965 **Fern-leaved, Mixed.** Delicate foliage and masses of little, star-shaped, scarlet and white flowers. Pkt. 10 cts., ¼ oz. 20 cts., ½ oz. 35 cts.

2983 **DATURA cornucopia** (Angel's Trumpet). HA. Strong, bushy plants with coarse foliage and large, very sweet-scented flowers with two trumpets, one within the other; interior white, exterior violet-purple. 1½ feet. Pkt. 10 cts., ¼ oz. 40 cts.

3229 **FEVERFEW, Double.** HHP. A very free-flowering border plant, bearing masses of little, creamy white flowers. 2 to 3 feet. Pkt. 10 cts., ¼ oz. 40 cts.

3272 **GERANIUM, Zonale Mixed,** HHP. Pkt. 20 cts.



Delphinium Hollyhook Strain

DAHLIAS HHP

2973 **Double Large-flowering Show Varieties.** Saved from the most double flowers. Pkt. 20 cts., ¼ oz. 60 cts.

2975 **Double Cactus Varieties.** Saved from the finest new sorts; large and showy. Pkt. 20 cts., ¼ oz. 75 cts.

DELPHINIUM HP

2999 **Hollyhook Strains.** This recent introduction brings the Delphinium down to present demands. These mixtures contain all the latest art shades and colors which modern fashion demands.

2990 **Bodger's Hollyhook Strain.** A selection of light shades best suited for Florists. Pkg. 50 cts., 1/16 oz. \$1.00, ¼ oz., \$1.85.

2993 **Wrexham Hollyhook Strain.** A fancy blending of light and dark shades. Pkg. 50 cts., 1/16 oz. \$1.00, ¼ oz. \$1.85.

2998 **Giant Exhibition Hybrids.** Large flower-spikes, varying in color from pearly white to deepest indigo with many intermediate shades of blue and lavender. A splendid strain. 4 feet. Pkt. 25 cts., ¼ oz. \$1.25, ½ oz. \$2.00.

2986 **Belladonna.** Clear turquoise-blue flowers. 4 feet. Pkt. 25 cts., ¼ oz. \$1.00.

2987 **Bellamosa.** A splendid companion to the old favorite Belladonna. Dark blue; free-blooming and hardy. 4 feet. Pkt. 25 cts., ¼ oz. \$1.00.

2988 **Cardinale.** The elegant scarlet flowers have yellow centers. 3 feet. Pkt. 25 cts.

2989 **Sulphureum** (Zalil). Sulphur-yellow flowers, set on long spikes. Very hardy. Pkt. 20 cts.

2991 **Chinense, Blue.** Tall, slender plants with long spikes thickly set with bright blue flowers. 3 feet. Pkt. 10 cts., ¼ oz. 50 cts.

2992 **Chinense, White.** Flowers pure white. Pkt. 10 cts., ¼ oz. 50 cts.

2994 **Formosum.** Deep blue with white eye. 3 feet. Pkt. 15 cts., ¼ oz. \$1.50.

2995 **Formosum coelestinum.** Clear azure-blue. Pkt. 15 cts., ¼ oz. \$1.50.



DIANTHUS (Garden Pinks)

The Dianthus genus has furnished us with many useful and pretty flowers. Besides the Pinks listed below, there are the many forms of Carnations and the Sweet Williams offered elsewhere in this catalogue. The Garden Pinks are particularly useful for bedding and also suitable for cutting. They come in single and double forms, some with deeply fringed petals, and in many attractive colors and markings.

The Annual Pinks HA

These are strong, sturdy growers, blooming from early summer until fall. They require a moderate amount of sunshine but are not particular as to soil and will thrive almost anywhere. The seed may be sown in spring or fall, and transplanting, if necessary, should be done while the plants are quite small.



Annual Pinks

CHINESE PINKS (*Dianthus chinensis*). About 1 foot high, covered with flowers all summer long. Splendid for bedding.

3012 **Double Mixed.** Flowers very double and in a diversity of colors, including white, pink, crimson, lilac, and bicolors. **Pkt. 10 cts., ¼ oz. 25 cts.**

JAPANESE PINKS (*D. Heddewigii*). Improved varieties derived from the Chinese Pinks. They are free-blooming, although not quite as profuse as the Chinese Pinks, while their flowers are larger and more varied in form and color.

3015 **Purity.** Large, single, snow-white flowers; clove-scented; fine for cutting. **Pkt. 10 cts., ¼ oz. 40 cts.**

3017 **Salmon Queen.** Single flowers deep rosy salmon, very beautifully fringed. **Pkt. 10 cts., ¼ oz. 50 cts.**

3019 **Single Mixed.** Many brilliant colors. **Pkt. 10 cts., ¼ oz. 30 cts.**

3021 **Double Diadem Pinks.** Very large, double and showy; mixed colors. **Pkt. 10 cts., ¼ oz. 40 cts.**

3025 **Mourning Cloak.** Double; lacinated petals; deep, blackish crimson with a narrow silvery margin. **Pkt. 10 cts., ¼ oz. 35 cts.**

3027 **Dwarf Fireball.** Very double, bright red flowers; 8 inches; a splendid bedder. **Pkt. 10 cts., ¼ oz. 40 cts.**

3029 **Dwarf Snowball.** Flowers double, pure white; fringed petals; 8 inches. **Pkt. 10 cts., ¼ oz. 40 cts.**

3032 **Royal Pinks (*D. nobilis*).** A very robust strain with large, fragrant, double flowers on long stems; excellent for cutting. In many beautiful colors. 15 inches. **Pkt. 10 cts., ¼ oz. 40 cts.**

3035 **Double Mixed.** All colors and types in Double Japanese Pinks. **Pkt. 10 cts., ¼ oz. 25 cts.**



Japanese Pinks

The Hardy Garden Pinks HP

Perfectly hardy and very desirable for perennial beds, borders, cemetery plantings, etc. The flowers are dainty and highly prized for their spicy, refreshing fragrance.

3040 **Single Early Grass Pinks (*D. plumarius*).** Also called Pleasant Eye and Clove Pinks. Many-colored, with fringed petals. **Pkt. 10 cts., ¼ oz. 30 cts.**

3041 **Everblooming Grass Pinks (*D. plumarius semperflorens*).** Single and semi-double; blooming constantly all summer long. **Pkt. 25 cts., ¼ oz. 85 cts.**

3043 **Double Grass Pinks (*D. plumarius fl.-pl.*).** Also known as Scotch Florist's Pinks. Double flowers; early blooming. **Pkt. 15 cts., ¼ oz. \$1.00.**

DIMORPHOTHECA (African Orange Daisy) HA

The serious handicap of an awkward name has not prevented the Dimorphothecas from rising rapidly in the favor of flower-lovers. They grow rapidly and luxuriantly in any sunny spot, commence to bloom in six to eight weeks after sowing, and are one continuous sheet of bloom from then on until fall. For best effect, they should be planted in masses, but they are also suitable for borders and pot-plants, and make very nice cut-flowers. 8 inches.

3078 **Aurantiaca.** Fine, large, many-petaled flowers, deep ochre or orange-yellow with a black zone at the base and small brown disk. **Pkt. 10 cts., ¼ oz. 45 cts.**

3079 **New Hybrids.** Single and semi-double flowers varying in color from creamy white to deepest yellow, salmon-rose and orange. **Pkt. 10 cts., ¼ oz. 40 cts.**

DIGITALIS (Thimble Flower, or Foxglove) HB

Beautiful hardy flowers for the tall border, with towering spikes of bell-shaped blossoms and strong, clean foliage at the base. Although they sometimes persist for several years, they are best treated as biennials, blooming the second season from seed sown during spring or summer. They may also be flowered in pots in a cool greenhouse from August-sown seed. **Purpurea gloxiniflora.** Large flowers of velvety texture, with gloxinia-like spots, on long, well-filled spikes. 3½ to 5 feet.

3065 **Pink.** 3066 **Purple.** 3067 **White.**

Each, **pkt. 10 cts., ¼ oz. 40 cts.**

3073 **Purpurea monstrosa.** A very unusual and showy form in which the upper flowers are united into one very large, cup-shaped blossom. Various colors. **Pkt. 10 cts., ¼ oz. 40 cts.**



Hardy Garden Pinks



ESCHSCHOLTZIA (California Poppy) HA

Bushy plants, growing about 1 foot high, with fine, bluish foliage and many bright flowers. The seed is usually sown in the spring although fall sowing gives excellent results. The California Poppies make bright beds and attractive borders. They thrive best in a sunny spot, commencing to bloom early and if kept well cultivated and watered, continue in flower until frost.

- 3151 **Pure White.** Large flowers; sage-green foliage. Pkt. 10 cts., ¼ oz. 35 cts.
- 3153 **Golden West.** Fine, large, golden yellow flowers, blotched with orange at the base of the petals. Pkt. 10 cts., ¼ oz. 35 cts.
- 3155 **The Geisha.** Beautifully fluted flowers; inside yellow, outside orange-red. Pkt. 10 cts., ¼ oz. 35 cts.
- 3156 **Mikado.** Bright orange-crimson flowers. Pkt. 10 cts., ¼ oz. 35 cts.
- 3157 **Vesuvius.** Brilliant wallflower-red. Pkt. 10 cts., ¼ oz. 35 cts.
- 3172 **Double Mixed.** Very good, semi-double flowers; yellow and white. Pkt. 10 cts., ¼ oz. 40 cts.

HYBRID ESCHSCHOLTZIAS

One of California's foremost specialists in flowers has, for several years, devoted a great deal of time and effort to the improvement of the California Poppy. His new hybrid strain is notable for its erect, bushy plants and profusion of flowers in colors not previously found in Eschscholtzias. Realizing that the California Poppies are not known and appreciated as they should be, we are very much pleased that we are able to offer a selection of these new sorts to our customers, and urge all who want the latest and best in bedding annuals to try them.

- 3154 **Orange Flame.** Dazzling orange-scarlet; very free-blooming.
- 3158 **Ballet Girl.** Unique, the petals being beautifully frilled and fluted; outside carmine scarlet, inside creamy white.
- 3161 **Lovely.** Bright rose-pink suffused with salmon inside and out with a fine satiny finish.
- 3163 **Scarlet Beauty.** The brightest red in Eschscholtzias. Vivid scarlet flowers and bluish foliage; very effective.
- 3166 **Mauve Beauty.** An entirely new color. A beautiful shade of pure mauve.
- 3167 **Purple Glow.** Bright reddish purple. The darkest shade so far obtained in this class.
- Each, pkt. only 10 cts., ¼ oz. 40 cts.
- 3169 **New Hybrids Mixed.** A fine blend of the many superb colors in the new large-flowering erect type. Pkt. 10 cts., ¼ oz. 40 cts.

3159 **Salmon Beauty.** Beautiful salmon, not variable. This novelty introduced by our growers for the first time this year, is salmon both inside and out. Very distinct. Pkt. 35 cts., 3 pkts. \$1.00.



Helichrysum

DOLICHOS (Hyacinth Bean) HHA

Ornamental climbing beans with large, handsome foliage and showy, pea-like flowers in long, erect racemes, followed by curious, flat pods of various colors. The climbing varieties reach a height of 8 to 10 feet and are nice for low trellises; the bush varieties make good border plants.

- 3090 **Darkness.** Purplish lavender flowers, succeeded by deep maroon-purple pods. Foliage tinged with purple. Pkt. 10 cts., oz. 40 cts.
- 3091 **Daylight.** White flowers and pods; light green foliage. Free-flowering. 8 to 10 feet. Pkt. 10 cts., oz. 40 cts.
- 3093 **Lablab, Mixed.** Tall growing with flowers ranging in color from white to purple. Pkt. 10 cts., oz. 35 cts.
- 3095 **Bush Purple.** Like Darkness but grows only 2½ feet high. Pkt. 10 cts., oz. 50 cts.
- 3096 **Bush White.** Pkt. 10 cts., oz. 40 cts.
- 3097 **Bush Mixed.** Pkt. 10 cts., oz. 35 cts.

- 3105 **DRACAENA (Cordylinc) indivisa.** TP. Graceful foliage plants; fine subjects for vases. Second-year plants may be planted out in the open border in late spring and reprinted in the fall. Hulled seed. Pkt. 10 cts., ¼ oz. 25 cts., ½ oz. 40 cts.
- 3120 **EDELWEISS.** HP. An interesting Alpine plant for the rockery, easily grown in any sunny location. Handsome, silvery foliage and star-shaped flowers. 6 to 8 inches. Pkt. 25 cts.
- 3186 **EUPHORBIA variegata** (Snow-on-the-Mountain). HA. Robust grower; foliage margined white. 2 feet Pkt. 10 cts., ¼ oz. 30 cts.

FOUR-O'CLOCKS. (Marvel of Peru; Mirabilis). HA. Free-blooming from June to September. The flowers open in the afternoon and close the next morning. A very popular flower for beds and borders; always satisfactory no matter how unfavorable the soil or weather may be. Sweet-scented. Very effective beds can be made by planting the separate colors which we have secured from a European specialist this season.

- 3230 **White** 3232 **Lilac** 3234 **Crimson**
- 3231 **Yellow** 3233 **Rose**

Each, pkt. 10 cts., oz. 25 cts.

3235 **Tall Mixed.** Large bushy plants covered with flowers; many clear and attractive colors. 2 feet Pkt. 10 cts., oz. 25 cts.

EVERLASTINGS

For convenience we have grouped here plants which are grown chiefly for their "everlasting" or "straw" flowers. Some of them are also prized as border plants. The flowers are preserved in their natural colors for winter bouquets by cutting them before they are fully expanded and hanging them, head down, in a dry, shady place until they are thoroughly dry.

- 3190 **ACROCLINIUM roseum fl.-pl.** HA. Many petaled, double, rose-color flowers. 1 to 1½ ft. Pkt. 10 cts., ¼ oz. 25 cts.
- 3194 **AMMOBIUM alatum grandiflorum.** HA. Double; pure white. 2 feet. Pkt. 10 cts., ¼ oz. 25 cts.
- GOMPHRENA.** HA. Upright-growing plants with showy foliage and small, brightly colored, globe-shaped flowers.
- 3204 **TALL MIXED.** White, pink, red, purple and variegated flowers. 1½ feet. Pkt. 10 cts., ¼ oz. 25 cts.

- 3206 **Dwarf Compact Red.** 1 ft. Pkt. 10 cts., ¼ oz. 25 cts.
- 3207 **Dwarf Compact White.** Pkt. 10 cts., ¼ oz. 25 cts.
- 3208 **Dwarf Compact Mixed.** Pkt. 10 cts., ¼ oz. 25 cts.

HELICHRYSUM monstrosum. HA. The best of the Everlastings. Large, very double flowers; fine for cutting.

3210 **Silver Ball.** White. 3213 **Salmon Queen.** Salmon.

3211 **Golden Ball.** Yellow. 3214 **Rose Queen.** Bright rose.

3212 **Fire Ball.** Crimson-scarlet. 3215 **Violet Queen.** Violet.

Each, pkt. 10 cts., ¼ oz. 30 cts.

- 3217 **Finest Mixed.** Pkt. 10 cts., ¼ oz. 25 cts.
- 3220 **RHODANTHE Manglesii.** HA. Neat, slender plants with silvery leaves and dainty pink and white flowers on long, nodding stems. 1½ feet. Pkt. 10 cts., ¼ oz. 25 cts.
- 3222 **XERANTHEMUM annuum.** HA. 2 to 3 feet. Tall semi-double flowers in white, rose, purple and violet. Pkt. 10 cts., ¼ oz. 25 cts.

"Seeds You Can't Keep Down"



GAILLARDIA (Blanket Flower)

	Pkt.	1/8 oz.	1/4 oz.	Oz.
3241— Chameleon — Variegated	\$.10	\$.25	\$.40	
3249— Indian Chief , bronze red .....	.10	.25	.40	
3242— Red and Gold .....	.10	.25	.40	
3243— Yellow .....	.10	.25	.40	
3245— Mixed .....	.10	.15	.25	.75
Picta Double				
3244— Bicolor , red and yellow .....	.10	.25	.40	
3246— Canary Yellow , very large .....	.10	.25	.40	
3247— Lorenziana , dbl. finest mixed				
Hardy Perennial Varieties				
3254— Superba Grandiflora , mixed. Pkt. 20 cts.				



Perennial Gaillardia

GODETIA

This beautiful hardy annual deserves more extensive cultivation. The plants bloom profusely and are splendid for bedding. We also recommend that those with greenhouse facilities try growing these as a pot-plant for winter decoration. We offer the single-flowering sorts, which grow about 1 foot high, and the double varieties, which attain the height of 2 feet.

	Pkt.	1/4 oz.		Pkt.	1/4 oz.
3319— Duchess of Albany . Satiny white	\$.10	\$.25		3323— Tall Double Rose . Deep rose .....	.10 .25
3317— Lady Satin Rose . Brilliant carmine .....	.10	.25		3324— Tall Double Carmine . Carmine .....	.10 .25
3320— Princess of Wales . Beautiful pink .....	.10	.25		3325— Tall Double Crimson . Crimson .....	.10 .25
3321— Sunset . Dwarf; compact; rosy carmine ...	.10	.25		3326— Tall Double Mauve . Mauve .....	.10 .25
3322— Tall Double Pink . Beautiful salmon-pink..	.10	.25		3327— Tall Double Mixed .....	.10 .25



Gloxinia
Beckert's Large Flowered Hybrids

GEUM. HP. Fine plants for the hardy border; easy to grow and thriving on poor soil providing they have plenty of sun.

3291 **Atrosanguineum**. Strong-growing, with large, deep red, semi-double flowers, valuable for cutting. 2 feet. **Pkt. 10 cts.**

3293 **Mrs. Bradshaw**. Large, double, bright scarlet flowers; blooms profusely all summer. **Pkt. 15 cts.**

3306 **GLOXINIA, Large-flowered Hybrids. TP.** Large, tubular flowers of velvety texture in many brilliant colors; handsome foliage, bronzy green with white veins. Will bloom in six months from sowing. The strain we offer is the finest produced; compact and erect in growth; large-flowering and free-blooming. **Pkt. 50 cts.**

3282 **GERBERA, Jamesonii Hybrids (Transvaal Daisy). HHP.** A very brilliant strain. The flowers come in white and all shades of red and yellow, and are borne on long slender stems well above the foliage. Culture like Geraniums. 2 feet. **Pkt. 25 cts.**

ORNAMENTAL GOURDS. HHA. Interesting climbers, useful for covering verandas, arbors, etc. They are rapid growers and their fruits are highly ornamental.

3342 Dipper	3346 Hercules' Club	3354 Pipe Calabash
3343 Dishrag	3351 Nest-Egg	3359 Mixed
Each, pkt. 10 cts., oz. 25 cts.		

ORNAMENTAL GRASSES

Specimen plants, clumps or entire beds of harmonious varieties are always interesting. All are valuable for cutting, and some may be preserved and used in combination with "Everlasting" flowers for winter bouquets and decorations.

3361 **Colx Lacryma-Jobi (Job's Tears). HA.** The seeds are strung as beads. 1 1/2 feet. **Pkt. 10 cts.**

3367 **Eragrostis elegans (Love Grass). HA.** Nice for bunching with Sweet Peas, etc. 1 1/2 feet. **Pkt. 10 cts.**

3369 **Erianthus ravennae. HP.** Silvery plumes and violet-shaded leaves, 8 to 10 feet. **Pkt. 10 cts.**

3371 **Eulalia zebrina (Zebra Grass). HP.** Leaves barred yellowish white. 4 feet. **Pkt. 10 cts.**

3375 **Gynerium argenteum (Pampas Grass). HP.** Beautiful, tall silvery plumes. 8 to 10 feet. **Pkt. 10 cts.**

3382 **Pennisetum villosum (Longistylum). HA.** Known as Fountain Grass; greenish white plumes. 2 1/2 ft. **Pkt. 10 cts.**

3383 **Pennisetum Ruppelii (Purple Fountain Grass). HA.** Purple plumes. 2 1/2 feet. **Pkt. 10 cts.**



GREVILLEA ROBUSTA (Silk Oak) TP

3397 A handsome pot-plant of upright growth, with graceful, fernlike foliage. Young plants, 2 to 5 feet high, are prized as window decorations, and are equally useful in protected nooks outdoors. Culture like geraniums. **Pkt. 10 cts., ¼ oz. 30 cts.**

GYPSOPHILA (Baby's Breath) HA

Annuals and early-flowering perennials, bearing graceful panicles of small flowers that are elegant for cutting and for bunching with other flowers.

- 3412 **Elegans grandiflora alba. HA.** An improved, large-flowered, white form; the famous Covent Garden strain. **Pkt. 10 cts., ¼ oz. 20 cts.**
 3414 **Elegans rosea. HA.** Small, rose-pink flowers. **Pkt. 10 cts., ¼ oz. 20 cts.**
 3415 **Elegans, carmine.** Bright carmine rose. **Pkt. 10 cts., ¼ oz. 25 cts.**
 3416 **Paniculata. HP.** Flowers the first season. Equally desirable as a border plant and for cutting. 3 feet. **Pkt. 10 cts., ¼ oz. 30 cts., ½ oz. 50 cts.**
 3418 **Paniculata fl.-pl. HP.** A goodly proportion of the plants will produce exquisite, little, double, white flowers. **Pkt. 20 cts. 1/16 oz. 60 cts., ½ oz. \$1.00.**

HELIOTROPE TP

- 3471 **Black King.** Of compact growth, with very dark stems and foliage and deep purple flowers. A fine bedding variety. **Pkt. 15 cts.**
 3473 **White Lady.** Flowers white. **Pkt. 15 cts.**
 3477 **Lemoine's Giant Hybrids.** Tall and strong-growing with large flowers in white and shades of blue and violet. Very free-blooming. **Pkt. 20 cts.**
THE NEW REGAL HELIOTROPES. A giant-flowering race—the finest Heliotropes for potting as well as bedding yet produced. Dwarf and bushy in growth, blooming early and covered with gigantic clusters of deliciously scented flowers.
 3480 **Queen Olga.** Violet; white eye.
 3479 **Queen Jolanda.** White. 3481 **Queen Margaret.** Darkest blue.
 Each, **pkt. 25 cts., 3 pkts. for 65 cts.**

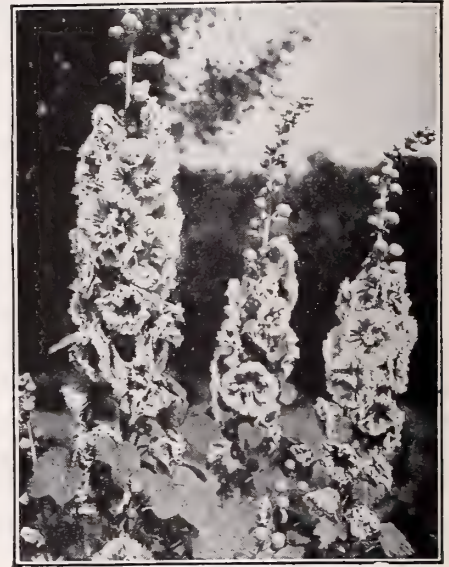
HELIANTHUS (Sunflower) HA

The larger forms are useful for massive, subtropical effects, while the more dwarf, small-flowered varieties of the Cucumerifolius type are good for cutting, yielding quantities of showy, long-stemmed flowers from July until frost. They do best on a fairly rich soil.

- 3431 **Double Chrysanthemum-flowered.** Large, bright golden yellow flowers, resembling Chrysanthemums, borne in profusion on strong plants, 6 to 8 feet tall. **Pkt. 10 cts., ¼ oz. 25 cts.**
 3433 **Thousand-flowered Double.** Many branches, covered with clear yellow, double flowers. 5 feet. **Pkt. 10 cts., ¼ oz. 25 cts.**
 3439 **New Red.** Large, single flowers in many shades of red and combinations of red and yellow, all very showy and attractive. 5 to 7 feet. **Pkt. 10 cts., ¼ oz. 25 cts.**
 3442 **Cucumerifolius, Miniature.** Bushy plants, 3 feet tall, producing many bright orange, single flowers. **Pkt. 10 cts., ¼ oz. 25 cts.**



Lemoine's
Giant Heliotrope



Beckert's Superb Double Hollyhock
Triumph

- 3444 **Cucumerifolius, Orion.** Single, yellow flowers with long, slender, twisted petals. 4 feet. **Pkt. 10 cts., ¼ oz. 25 cts.**
 3446 **Cucumerifolius, Stella.** Single; golden with black disc. **Pkt. 10 cts., ¼ oz. 25 cts.**
 3448 **Cucumerifolius, Double Hybrids.** **Pkt. 10 cts., ¼ oz. 25 cts.**
 3449 **Single Mixed.** **Pkt. 10 cts., ¼ oz. 25 cts.**
 3450 **Double Multiflora Mixed.** **Pkt. 10 cts., ¼ oz. 25 cts.**
PERENNIAL SUNFLOWERS. Splendid background plants for the hardy border.
 3455 **Many Varieties Mixed.** Medium-sized flowers; shades of yellow. **Pkt. 15 cts.**

HEUCHERA (Choice Hybrids) HP

- 3489 An improved strain of the old-fashioned "Coral Bells" or "Alum Root," with dainty, bell-shaped flowers ranging in color from white to deepest crimson, on erect spikes above the low-growing foliage. Perfectly hardy, and thrives anywhere; excellent for the rockery. **Pkt. 25 cts.**

HIBISCUS (Mallow) HP

Strong, bushy plants with large flowers like single Hollyhocks. They do best in a rather moist situation and will last for years when once established. Bloom in late summer.

- 3493 **Crimson Eye.** Large, pure white flowers with velvety crimson centers. 4 feet tall. **Pkt. 10 cts., ¼ oz. 40 cts.**
 3498 **Giant Rainbow Hybrids.** Flowers often 8 inches in diameter, ranging in color from white to deep red, some with dark centers and some in solid colors. The soft pink and rose shades are particularly attractive. **Pkt. 10 cts., ¼ oz. 40 cts.**

HOLLYHOCKS HB

- 3508 **NEW DOUBLE EXQUISITE.** Flowers very double, each petal exquisitely curled and fringed, with a broad margin of white, the centers being shades of rose, carmine, purple, and violet. In form they suggest the beautiful double fringed petunias while in color they resemble the pelargoniums. Lovers of Hollyhocks will welcome this magnificent new type. **Pkt. 25 cts., ½ oz. 60 cts., ¼ oz. \$1.00.**
 3509 **HOLLYHOCK DOUBLE TRIUMPH.** Grows 4 to 5 feet high, is of branching habit with waved and fringed flowers in a great variety of colors, including crimson, scarlet, carmine, rose, flesh, white, cream, yellow, lilac, violet, and purple. Blooms 10 days ahead of ordinary Hollyhocks. **Pkt. 25 cts., ½ oz. 60 cts., ¼ oz. \$1.00.**

CHATER'S SUPERB DOUBLE

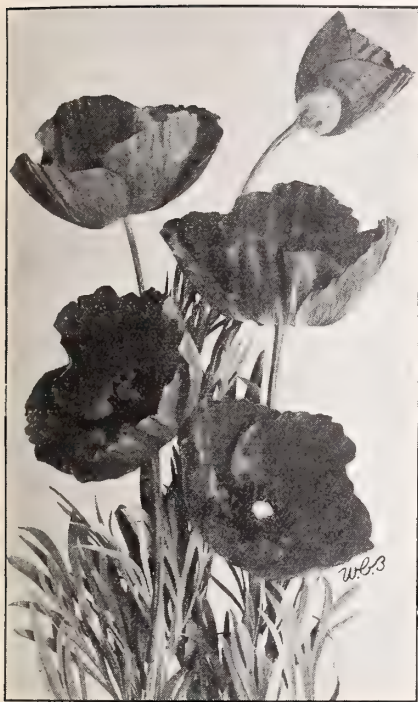
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| 3520 Chamois | 3519 Newport Pink | 3522 Scarlet |
| 3521 Deep Rose | 3515 Pure White | 3525 Sulphur-Yellow |
| 3524 Maroon | 3517 Salmon-Rose | 3528 Superb Mixed |

Each, **pkt. 10 cts., ¼ oz. 60 cts.**

- 3527 **Beckert's Double Mixed.** This is an excellent strain. The selection has been made with great care from the strongest plants and brightest colors. **Pkt. 10 cts., ¼ oz. 50 cts.**

CHATER'S SUPERB SINGLE

- | | | | |
|--------------|--------------|-------------|------------|
| 3511 Pink | 3513 Apricot | 3516 Yellow | 3526 White |
| 3512 Crimson | 3514 Lilac | 3518 Purple | 3529 Mixed |
- Each, **pkt. 10 cts., ¼ oz. 50 cts.**



Hunnemannia

HUMULUS (Japanese Hop). **HHA**. Did you ever wish for a rapid climber which would quickly shade a sunny porch or hide an unsightly view or keep out busy eyes? Humulus will do all this in record time. Sown end of May, it will **within four to six weeks**, climb 10 to 15 feet, covering arbor or trellis with dense, highly ornamental foliage, followed by clusters of white flowers.

3537 **Japonicus**. Growing to 30 feet in season. **Pkt. 10 cts., 1/4 oz. 30 cts., 1/2 oz. 50 cts.**

3538 **Japonicus variegatus**. Foliage variegated with creamy white on deep green. Matures in one season. **Pkt. 10 cts., 1/4 oz. 30 cts., 1/2 oz. 50 cts.**

3544 **HUNNEMANNIA fumariæfolia** (Giant Yellow Tulip Poppy). **HA**. A member of the Poppy family deserving the increased attention of our customers. Sown early in May, it will quickly grow bushy plants, about 1 1/2 feet tall, with glaucous-blue, finely feathered foliage and large, buttercup-like, bright yellow flowers, which average 3 inches across, borne on 12-inch stems, from July until frost. Hunnemannia is by far the best of the Poppy family for cutting. **Pkt. 10 cts., 1/4 oz. 25 cts.**

IMPATIENS. **TP**. Charming plants for the house or conservatory, requiring no special treatment, growing quickly and blooming continuously.

3551 **Holstii Hybrids**. A remarkable strain, of great vigor, splendid for pot-culture. Compact plants about 1 foot high and 1 foot in diameter, with glossy green foliage and a profusion of bright flowers. Rose, Carmine, Vermilion, White with Red Center, Lilac, Dark Violet, and Crimson, in fine mixture. **Pkt. 25 cts.**

3552 **Sultani**. A strong grower, 1 1/2 to 2 feet tall, bearing continuously brilliant, rosy scarlet blossoms, which contrast in striking manner with the bright green foliage. A rare and beautiful house-plant. **Pkt. 25 cts.**

KOCHIA tricophylla (Burning Bush; Summer Cypress). **HHA**. Very handsome, symmetrical plants, forming beautiful specimens without pruning or pinching, and growing 3 feet tall in three months. Wherever a quick-growing, annual hedge is wanted there is nothing better than Kochia.

3565 **Giant Christmas**. An improved form, remaining bright green until late in the fall and then turning to a gorgeous crimson-purple. **Pkt. 10 cts., 1/4 oz. 25 cts.**

3572 **KUDZU VINE**. **HP**. A Japanese climbing vine with large leaves and fragrant, wistaria-like flowers; perhaps the strongest growing and most vigorous of all the climbers. It will climb 25 to 30 feet in a season, freezing down each winter but coming up from the roots again in the spring. **Pkt. 10 cts., 1/4 oz. 30 cts.**

LUNARIA (Honesty)

Hardy Biennials, fine for cut flowers, seed pods used for winter decoration.

3530 White	3531 Crimson	3532 Purple
Each, pkt. 15 cts., 1/4 oz. 30 cts.		

LANTANA hybrida. **HHP**. Handsome bedding plants and beautiful for pots. The seed should be started indoors very early in the spring. Produces verbena-like clusters of pink, orange and red flowers.

3580 **Tall Mixed**. 2 feet. **Pkt. 10 cts., 1/4 oz. 30 cts., 1/2 oz. 50 cts.**

3582 **Dwarf Compact Mixed**. A new and improved strain. **Pkt. 10 cts., 1/4 oz. 30 cts., 1/2 oz. 50 cts.**

LARKSPUR (Annual Delphinium) HA

Tall, showy plants, blooming freely during the summer months. The flowers are very bright and attractive, mainly in shades of blue, rose, violet, and white; durable and elegant for cutting. The seedlings should be thinned out early to stand at least a foot apart, to secure the fine branching habit now characteristic of most of the strains we offer.

3593 **Dwarf Double Rocket Mixed**. Fine bedders, growing about 1 1/2 feet tall and blooming very early. A fine mixture of colors. **Pkt. 10 cts., 1/4 oz. 20 cts.**

3595 **Tall Double Rocket Mixed**. Two to 3 feet tall with long spikes. Many shades. **Pkt. 10 cts., 1/4 oz. 20 cts.**

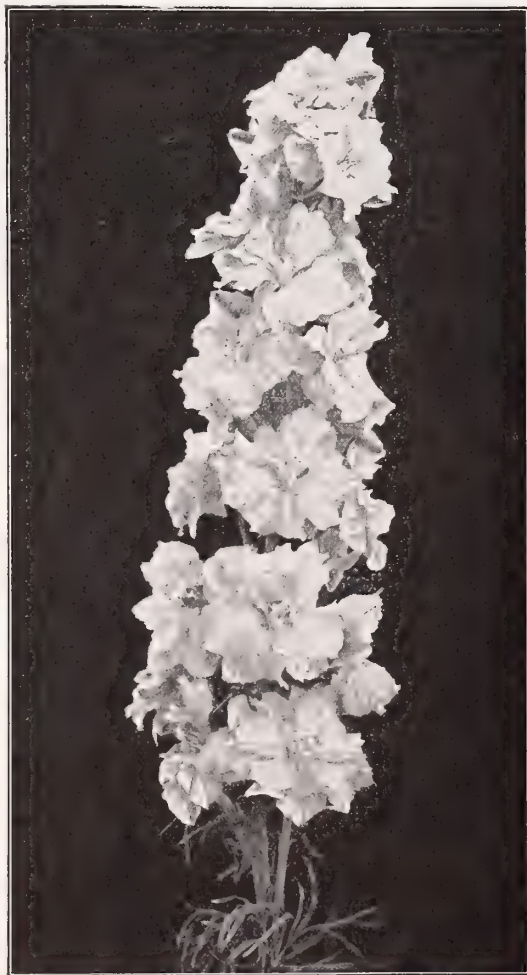
TALL DOUBLE STOCK-FLOWERED VARIETIES. These are the favorite varieties for cutting and for tall borders. They grow 3 feet high and produce many candelabra-like trusses of beautiful flowers. Vigorous, early and free-blooming.

3603 **La France**. Clear Salmon Pink. Plants of upright growth, free flowering, ideal cut flowers. **Pkt. 20 cts., 1/4 oz. \$1.00.**

3602 **Exquisite**. A new and most desirable color in this useful class. Exquisite, clear, light rose-pink. It will undoubtedly be in great demand for cut-flowers. **Pkt. 10 cts., 1/4 oz. 45 cts.**

3607 Rosy Scarlet . The nearest to true red.	3606 Lustrous White	3611 Sky-Blue
3600 Pure White	mine	3613 Dark Blue
3601 Shell-Pink		3618 Mixed
3604 Deep Rose	3609 Lilac . Short.	

Each, pkt. 10 cts., 1/4 oz., 25 cts.



Annual Larkspur

LATHYRUS latifolius (Perennial Pea). **HP**. A showy climber with flowers much like the annual sweet pea, but without fragrance. Suitable for low trellises and screens; bloom all summer.

3641 **Giant White Pearl**. **Pkt. 15 cts., 1/4 oz. 30 cts.**

3643 **Pink Beauty**. **Pkt. 10 cts., 1/4 oz. 30 cts.**

3648 **Fine Mixed**. **Pkt. 10 cts., 1/4 oz. 25 cts.**

3645 **Red**. **Pkt. 10 cts., 1/4 oz. 30 cts.**

LAVATERA splendens (Improved Annual Mallow). **HHA**. Beautiful and showy. Bushy plants, 2 feet tall; large, cup-shaped flowers in profusion all summer long. Sow the seed in May and thin the plants out to stand a foot apart.

3660 Bright Rose	3662 Pure White
Each, pkt. 10 cts., 1/4 oz. 25 cts.	



French Gold Striped Marigold

MARIGOLD—TALL AFRICAN HA

- 3783 **LEMON, All double.** A new strain of African Marigold which our growers have developed and which comes in a very high percentage of large, closely quilled, double heads, and a small percentage of loosely formed heads which are equally beautiful and useful for cutting. Pkt. 25 cts., 1/4 oz. \$1.00.
- 3781 **ORANGE, All double.** The darker form of the preceding variety. Height 2 1/2 feet. Pkt. 25 cts., 1/4 oz. \$1.00.
- 3787 **NEW MARIGOLD GUINEA GOLD.** A distinct type of graceful, pyramidal habit, growing 2 to 2 1/2 feet high, and producing flowers 2 to 2 1/2 inches across, of a brilliant orange with double ruffled, loose-leaf petals. This variety has been accepted as a valued cut flower for florists. Pkt. 25 cts., 1/4 oz. \$1.00, 1/2 oz. \$1.75.
- 3785 **MARIGOLD, Dwarf French Gold Striped.** Double mahogany-colored flowers striped with gold. Pkt. 15 cts., 1/4 oz. 50 cts., oz. \$1.75.
- 3788 **DWARF, French Double Monarch Strain Mixed.** Very compact type of large, double flowers, comprising a wide range of fine colors, including orange, bronze and mahogany. Pkt. 25 cts., 1/4 oz. \$1.00.
- 3789 **TALL, French Double Mixed.** Pkt. 10 cts., 1/4 oz. 25 cts., 1/2 oz. 40 cts., oz. 65 cts.
-
- 3671 **LEMON VERBENA (Lippia citriodora).** TP. The old-time favorite; a shrubby perennial easily grown from seed. Valued for its fragrant leaves. Pkt. 15 cts.
- 3676 **LEPTOSIPHON, French Hybrids.** HA. Low-growing, with upright clusters of bright, little flowers. Scarlet, purple, yellow and white. For edging and rock-work. 8 inches. Pkt. 15 cts.
- LINIUM "FLAX"** 3684 Perenne Blue, 3685 Perenne White. Pkt. 10 cts., 1/4 oz. 30 cts.

LOBELIA

- ERINUS VARIETIES.** HA. Elegant little plants; profuse bloomers, valuable for edging and low beds and extensively grown in pots and baskets. For best effect, they should be grown in rich soil and the seed started very early.
- 3703 **Hybrida, Sapphire.** A much improved, trailing form for baskets and boxes. Large flowers, deep blue with white eye. Pkt. 25 cts.

- 3706 **Gracilis, Blue.** Light blue flowers; bright green foliage; trailing. Pkt. 10 cts., 1/4 oz. 25 cts.
- 3710 **Compacta, Crystal Palace.** Erect and very free-blooming. Rich azure-blue flowers; dark green foliage. 6 inches. Pkt. 15 cts., 1/4 oz. 50 cts., 1/4 oz. 85 cts.
- 3712 **Compacta, Emperor William.** Dark blue. Pkt. 15 cts.
- 3714 **Compacta, White Lady.** Pure white flowers. Pkt. 15 cts.
- 3716 **Compacta, Mixed.** The Compacta varieties are the best bedders. 6 inches. Pkt. 10 cts., 1/4 oz. 60 cts.
- PERENNIAL LOBELIAS.** For the border. They do best in rich, moist soil.
- 3721 **Cardinalis (Indian Pink; Cardinal Flower).** HP. Long, full spikes of flaming scarlet flowers; very effective in shrubbery. 1 1/2 feet. Pkt. 25 cts., 1/4 oz. \$2.00.
- 3683 **LINARIA Cymbalaria (Kenilworth Ivy).** HHP. A very graceful creeper or climber with glossy, ivy-like foliage. Dainty flowers in shades of lilac, rose, and white. Most attractive for boxes, baskets, etc. Pkt. 15 cts., 1/4 oz. 50 cts.
- LYCHNIS (Jerusalem Cross; Scarlet Ragged Robin).** HP. Bright flowers for the perennial border, easy to grow and thriving in poor soil. The petals are arranged in the form of a Maltese Cross.
- 3757 **Chalcedonica, Scarlet.** Erect-growing, 2 to 3 feet tall, with clusters of flaming vermilion flowers at the top. Pkt. 10 cts.
- 3759 **Haageana Hybrids.** A form with very large flowers, nearly 2 inches across. Many shades of red. 1 foot tall. Pkt. 15 cts.

LUPINUS (Lupine, Sun-Dials)

Old-fashioned favorites that thrive in almost any situation, though they bloom best and live longest on a "sweet" or limestone soil. The perennial varieties make splendid borders while the annual sorts are good bedders, and both furnish fine material for bouquets. Do not transplant.

HARTWEGH VARIETIES. HA. Vigorous growers with large spikes of showy flowers, blooming from June until September. These Lupines are popular with the florists for cutting. 2 feet.

- 3731 **Dark Blue,** 3735 **White,** 3739 **All Colors, Mixed,** 3733 **Rose,** 3737 **Sky Blue.** Each, pkt. 10 cts., 1/4 oz. 30 cts., 1/2 oz. 50 cts.

POLYPHYLLUS VARIETIES. HP. Long spikes of pea-shaped blossoms, in spring and early summer. 3 feet.

- 3741 **Blue** 3743 **White** 3746 **Yellow** 3749 **Mixed**
Each, pkt. 10 cts., 1/4 oz. 20 cts.

- 3745 **Bright Rose.** A much-improved form. Pkt. 15 cts. 1/4 oz. 30 cts.

MIGNONETTE HA

A general favorite; indispensable for its delightful fragrance. The seed may be scattered in the borders or any sunny spot. Mignonette prefers a medium light, loamy soil, with only a moderate amount of moisture. The improved varieties we offer grow about 15 inches high and have large, erect, compact flower-trusses.

- 3806 **Defiance.** Long spikes of grayish white florets; one of the best for cutting. Pkt. 10 cts., 1/4 oz. 30 cts.

- 3808 **Giant Machet.** An extra-select, mammoth-flowering strain of the popular Machet variety. Florets reddish green. Pkt. 10 cts., 1/4 oz. 30 cts.

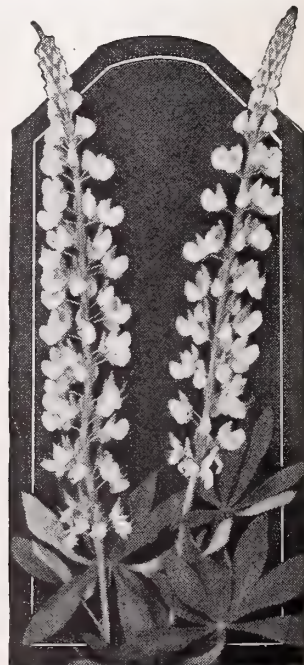
- 3812 **Giant Crimson, or Gollath.** Large, uniform trusses of deep red flowers; fine for forcing as well as outdoors. Pkt. 15 cts., 1/4 oz. 50 cts.

- 3814 **Golden Machet.** Massive spikes of golden yellow blossoms. Pkt. 10 cts., 1/4 oz. 30 cts.

- 3816 **Giant White Pearl.** Long, broad trusses of white blossoms. The finest white variety. Pkt. 15 cts., 1/4 oz. 50 cts.

- 3818 **Giant Mixed.** A fine blend. Pkt. 10 cts., 1/4 oz. 25 cts.

- 3820 **Old-fashioned Sweet-scented.** Dwarf, with many small spikes of extremely fragrant blossoms. Pkt. 10 cts., 1/4 oz. 20 cts.



Lupinus

"Seeds You Can't Keep Down"



MOONFLOWERS TA

Quick-growing climbers with dense, dark green foliage and immense flowers that open in late afternoon and close when the morning sun appears. The vines will reach a height of 20 feet or more and bear hundreds of great salver-shaped blossoms from late August until October. It is best to start the seed in pots indoors about March 15 and transplant to the open ground in mid-May, although the seed may be sown outdoors after the soil is warm and the trees well out in leaf. Notch the seed with a file and soak it for twenty-four hours in lukewarm water before planting.

3845 **White-seeded.** Flowers white, often 6 inches across. Pkt. 10 cts., ¼ oz. 30 cts.

3847 **Black-seeded.** Hardier and blooms earlier than the white-seeded form, but the flowers are not quite so large. Pkt. 10 cts., ¼ oz. 30 cts., oz. 50 cts.

3849 **Giant Pink.** Soft lilac-pink. Pkt. 10 cts., ¼ oz. 35 cts.

3851 **Heavenly-Blue.** Lovely sky-blue flowers, white in the

center and shading to rose at the margin, 4 to 5 inches across and produced in the greatest profusion. May also be grown in pots and is fine for cutting. Pkt. 15 cts., ¼ oz. 40 cts.

3855 **Fuchsia-flowered.** An unusual variety, producing small, rose-pink flowers and seed-pods that resemble the flower of the Fuchsia. Pkt. 10 cts., ¼ oz. 25 cts.

MORNING-GLORIES HHA

THE JAPANESE MORNING-GLORIES. Remarkable for the brilliant colors of the flowers as well as for the form and variegation of the foliage. The flowers come in all conceivable shades of red and blue, including lilac, mauve and gray, cerise, wine-red, purple, creamy brown, and chocolate, many of them margined or mottled and striped. The seed should be started indoors in March or sown outdoors in late May. Soaking the seed before planting is advisable.

3878 **Imperial Giants, Mixed.** In many colors. Pkt. 10 cts., ½ oz. 25 cts., oz. 40 cts.

3879 **Imperial Fringed, Mixed.** Petals gracefully fringed. Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts.

3880 **Dark Blue.** Pkt. 10 cts., ½ oz. 30 cts., oz. 50 cts.

3881 **DWARF MORNING-GLORY (Convolvulus minor).** HA. Showy in beds and borders and on rockwork, thriving in any sunny location. Bright colors. 1 foot. Pkt. 10 cts., ½ oz. 15 cts., oz. 25 cts.

3872 **Brazilian (Ipomoea setosa).** An extremely rapid grower with leaves often measuring 10 inches across. The large flowers appear in late summer and are deep rose with a five-pointed star of satiny pink. Pkt. 10 cts., ½ oz. 35 cts., oz. 60 cts.

3868 **Tall Mixed (Ipomoea purpurea).** The Common Morning-Glory. Always satisfactory, thriving in any soil. All shades of blue, pink and red in finest mixture. Pkt. 10 cts., oz. 25 cts., ¼ lb. 60 cts.

3870 **Snow Fairy.** A beautiful, pure white, double form in which the trumpet is surrounded by a fringe of many petals, like a tassel. Pkt. 15 cts., ½ oz. 35 cts., oz. 60 cts.

3825 **MIMOSA pudica.** TA. The interesting Sensitive Plant, the leaves of which fold as soon as touched. A neat ornamental plant for the house. 1 to 2 feet. Pkt. 10 cts.

3829 **MIMULUS moschatus (Musk Plant).** HHP. A nice plant for pots or hanging-baskets; small, yellow flowers and fragrant foliage. Pkt. 15 cts.

3834 **Tigrinus Grand. Sgl. Mixed.** Fine mixture of spotted varieties. Pkt. 10 cts.

3791 **MAURANDIA.** Slender growing climber fine for conservatory and greenhouse flowering first season, plant early. Pkt. 15 cts.

MESEMBRYANTHEMUM. HHA. Interesting, low-growing plants with ornamental foliage. They prefer a sunny situation.

3795 **Crystallinum (Ice Plant).** Fleshy leaves covered with ice-like globules; small white flowers. Pkt. 10 cts.

3797 **Tricolor, or Pyropeum (Wax Plant).** Flowers crimson, pink, and white. Pkt. 10 cts.

3833 **MINA lobata.** HP. A vigorous, showy climber with flowers borne in twin sprays. The buds are bright red; full flowers pale yellow. Pkt. 10 cts.

MOMORDICA. HHA. Ornamental vines. 10 feet.

3838 **Balsamina (Balsam Apple).** Small, yellowish flowers followed by apple-shaped, golden yellow warty fruits. Pkt. 10 cts., ¼ oz. 50 cts.

3839 **Charantia (Balsam Pear).** Pear-shaped fruits; glossy green foliage. Pkt. 10 cts., ¼ oz. 50 cts.

3886 **MUSA Ensete (Abyssinian Banana).** TP. A large and showy, subtropical foliage plant. Seeds sown in the hothouse will produce fine plants for tubs, or large pots the first season. Pkt. (10 seeds) 25 cts., (25 seeds) 40 cts., (100 seeds) \$1.25.



The Ever-Popular Morning Glories



Myosotis palustris

MYOSOTIS (Forget-Me-Not)

Lovely, little plants for moist and shady situations. The seed should be sown in late spring or early summer for blooming the following season, and the plants should have some protection over winter. Any of the varieties we offer may also be lifted in fall and potted for winter flowering.

3891 **Alpestris, Victoria.** HP. Dwarf, compact, and much-branched, with large, bright blue flowers. May be treated as an annual, as it flowers eight to ten weeks after sowing. Pkt. 15 cts., ¼ oz. 40 cts.

3893 **Alpestris, Mixed.** HP. Blue, white, and rose. Pkt. 10 cts., ¼ oz. 35 cts.

3894 **Dissitiflora, Perfection.** HB. Extra-large flowers, twice the size of the ordinary Forget-me-not; light blue; very fine. Pkt. 15 cts.

3896 **Hybrida, Ruth Fischer.** HHP. The best variety for pots. Dwarf and compact, with large, deep blue flowers, blooming over a long season. Pkt. 25 cts.

3898 **Palustris.** HP. The true "Forget-me-not." Dainty, bright, blue flowers on dwarf, bushy plants. Pkt. 10 cts., ¼ oz. 35 cts.



BECKERT'S SEED STORE'S SUPERB NASTURTIUMS



New Double Sweet-Scented Nasturtium Golden Gleam

Few garden annuals respond with as little care as the Nasturtium. For ease of culture, duration of bloom, brilliancy of coloring and general excellence, they are unexcelled. All they need is a moderately good soil, in a well-drained, sunny position, and from within a few weeks from the time they are sown until hard frost comes, there is an endless profusion of their gorgeous blossoms. The varieties offered below were selected, after exhaustive trials, from a very large number of sorts as being the best and most distinct.

NEW DOUBLE SWEET-SCENTED NASTURTIUM (Dwarf) GOLDEN GLEAM

One of the outstanding novelties of the season. The plant forms a vigorous, large bush which throws out short runners, averaging 18 inches. The flowers commence to come as soon as the plant nears complete development, and at the time it is in full bloom the entire plant, including the runners, is a blaze of color.

The large, golden yellow flowers average 2½ to 3 inches across and are borne on erect, stiff stems 6 inches long. Consequently, the flowers stand well above the foliage, an arrangement which adds immeasurably to the showy appearance of the plants.

This distinct novelty will be welcomed by expert gardeners as a delightful addition to the Nasturtium family as a cut-flower on account of its glorious color and delightful fragrance. Pkt. 25 cts., oz. \$1, ¼ lb. \$3.50.

LARGE-FLOWERING MIXTURES

The plants are strong and vigorous, with very large, bright green leaves, measuring from 5 to 8 inches across. The flowers, which are very numerous, measure 3 inches in diameter, and are borne on long stems well above the foliage. They are exquisitely formed, with overlapping, crinkled petals. They are produced in great numbers and have a most striking effect. Their fine color, long stems, great size, and esthetic form make them valuable for cutting.

4017 LARGE-FLOWERED, DWARF, MIXED. Pkt. 10 cts., oz. 15 cts., ¼ lb. 50 cts.
3955 LARGE-FLOWERED, TALL, MIXED. Pkt. 10 cts., oz. 15 cts., ¼ lb. 50 cts.



Beckert's Giant-Flowering Pansy

- 4046 *Sanderæ*. Not quite as tall as *Affinis* but more bushy in growth. Large, carmine-rose flowers.
 4047 *Sanderæ Hybrids*. A splendid strain; large flowers; white, pink, lavender, blood-red and purple. The finest for bedding.
 4049 *Sylvestris*. A free-blooming, white-flowered variety with particularly attractive foliage. 3 feet.
 Each, Pkt. 10 cts., ¼ oz. 30 cts.

BECKERT'S PANSIES HHP

Pansy Seed Has Been a Leading Specialty with Beckert's for Many Years. Our Strains Are Absolutely Unsurpassed.
 Pansies prefer a light, rich soil and a partially shaded, cool, moist location but will thrive under less favorable conditions. In fact, any soil and situation may be made to grow good Pansies, but if it is necessary to plant them in full sun exposure, mulch the beds in hot weather and water them freely. With proper care, Pansies will bloom from early spring until late fall, although the flowers produced in midsummer are never as large or brilliant as those produced in the cool spring and fall months.

Best results are obtained by sowing the seed in July or August and carrying the young plants over the winter in cold-frames or in a sheltered spot in the garden, protected by a deep covering of straw or dead leaves. These plants will bear truly enormous flowers early the next spring and continue throughout the season. The seed may also be sown in late April and the plants from this sowing will commence to bloom in late June. Full-blown flowers should be removed every few days to prevent their going to seed. Do not spare the hose; it is next to impossible to give Pansies too much water; sprinkle them twice a day in the hot spells.

The **Swiss Giant Pansies** developed by a famous Pansy grower are much larger and finer than the old-fashioned bedding Pansies and may be had in a wide range of attractive colors, coming true from seed. The various **Show or Exhibition** strains do not represent distinct colors but rather different specialists' ideals of perfection in size, shadings, and markings. The **Winter-Flowering** or **World's Record** type is a comparatively new development in Pansies, valuable for its hardiness and earliness.

BECKERT'S SWISS GIANTS MIXED No. 4101—

Represents years of painstaking work on the part of Pansy breeders, it is a blend of the very cream of Giant Pansies producing flowers of magnificent size and form in rare colors. We know that this mixture cannot be equaled at any cost. "Beckert's Swiss Giants" stands supreme among Exhibition Pansies. Pkt. 75 cts., ¼ oz. \$1.50.

BECKERT'S SUPERB MIXTURE OF GIANT-FLORING EXHIBITION PANSIES. No. 4100—

A blending of our own containing only the very choicest secured from the leading Pansy specialists; it can be relied upon to produce flowers of immense size, very heavy texture and of the most brilliant colors. Pkt. 50 cts., ¼ oz. \$1.10.

The New Giant Winter-Flowering or World's Record Pansies

Similar to the Trimardeau Giants in size and form but they commence to bloom very early when other varieties are still dormant. From seed sown the previous August they will often bloom before the late spring snows have melted away.

TALL NASTURTIUMS

- 3952 **Ivy-leaved Mixed**. Leaves like the English Ivy; flowers attractively fringed. Distinct. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts.
 3949 **Variegated-leaved Mixed**. Foliage light and dark green, beautifully marbled with white and yellow. A bed of these is wonderfully effective, even without the flowers, although the flowers are as fine as those of any other class. Oz. 25 cts., ¼ lb. 75 cts.

DWARF OR TOM THUMB

- 4010 **Dwarf Variegated-leaved Mixed**. Foliage handsomely variegated; flowers in many bright colors. Most effective in beds. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts.
 4015 **Dwarf Ivy-leaved Mixed**. Ivy-like foliage; lacinated flowers. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts.
LILLIPUT NASTURTIUMS. A charming new class of special merit for low beds and borders. The bushes are very solid and compact; the flowers and leaves are very small but of perfect shape. Really a miniature class and, as such, quite a novelty.
 4022 **Choice Mixed**. Pkt. 10 cts., oz. 25 cts., ¼ lb. 75 cts.
 4054 **NIEREMBERGIA frutescens** (Cup Flower). **HHP**. Very pretty border plants, blooming all summer from seed sown indoors in early spring; also nice for pots. Bushy growth; feathery foliage; flowers in white and shades of pink and lavender, with yellow centers, 2 to 3 feet. Pkt. 10 cts., ¼ oz. 30 cts.

Nicotiana (Sweet-Flowering Tobacco) HHA

Beautiful border plants, sometimes used for pots and boxes, easy to grow from seed. They do best on deep, loamy soil and in a sheltered situation. It is advisable to start the seed indoors, although both late spring and fall sowings give good results.

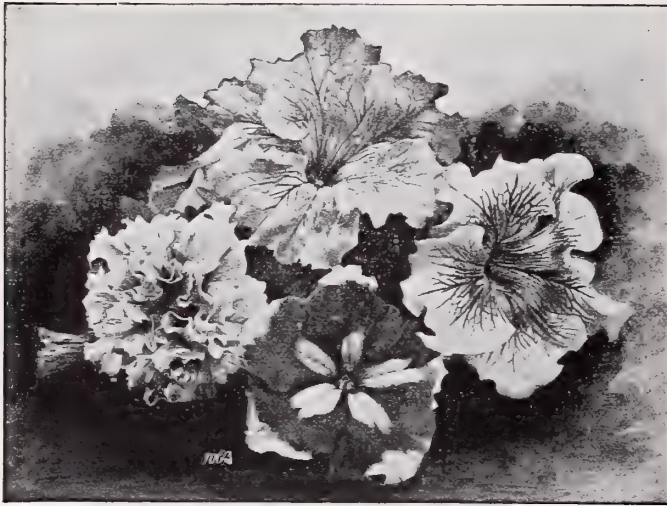
- 4043 **Affinis**. The best known variety; in full flower every sunny day from June until cut down by frost. Clusters of trumpet-shaped white flowers on tall stems above the luxuriant foliage. 2½ to 3½ feet.
 4044 **Affinis Hybrids**. Like *Affinis* but with larger flowers, coming in shades of pink and white.

- 4140 **Ice King**. Silvery white.
 4142 **March Beauty**. Velvety dark blue.
 4144 **Winter Sun**. Golden yellow.
 Each, pkt. 25 cts., ¼ oz. 50 cts.

Trimardeau Giant Pansies

This beautiful class produces flowers of giant size with round, overlapping petals. The plants are vigorous and free-blooming, compact in growth and of ideal bedding habit.

- 4106 **Andromeda**. Rosy lavender; distinct.
 4110 **Golden Bronze**. Old-gold and brown.
 4112 **Golden Queen**. Pure, bright yellow.
 4114 **Hortensia Rose**. Blotched deep rose on lighter ground.
 4115 **Imperial Blue**. Ultramarine with dark blue blotches.
 4117 **King of the Blacks**. Shining black.
 4119 **Lord Beaconsfield**. Violet, shading to white on upper petals.
 4123 **Royal Purple**. Dark, velvety purple.
 4125 **Snow Queen**. Pure, satiny white.
 4127 **Victoria**. Purplish red.
 4129 **White with Violet Eyes**.
 4131 **Yellow with Dark Eyes**.
 4133 **Striata**. Curiously striped and flaked in many colors.
 Any of the above, pkt. 15 cts., ¼ oz. 65 cts.
 4135 **Trimardeau Giants Mixed**. Pkt. 10 cts., ¼ oz. 60 cts.



Beckert's Choice Petunias

HYBRIDA SINGLE

- 4188 **Inimitable.** Flowers in many shades of deep rose, red and maroon, striped and blotched with white and pink. Fine for edging. **Pkt. 10 cts., 1/8 oz. 50 cts.**
- 4172 **Rosy Morn.** A very bright and lovely shade of rose, lighter in the throat; remarkably free-blooming. **Pkt. 10 cts., 1/8 oz. 50 cts.**
- 4174 **Rose of Heaven.** Very dwarf rose-pink. **Pkt. 10 cts., 1/8 oz. 50 cts.**
- 4176 **Howard's Star.** Deep red flowers, each marked with a large and distinct star of white or bluish-pink. **Pkt. 10 cts., 1/8 oz. 50 cts.**
- 4177 **HYBRIDA GRANDIFLORA.** Select superfine mixed. **Pkg. 25 cts.**

GRANDIFLORA FIMBRIATA

NEW FRINGED BALCONY. These beautiful new additions to the easily grown and ever-useful Petunias will be welcomed by all flower-lovers. In size, habit of growth, and luxury of bloom they are similar to the famous Balcony varieties, and to these outstanding qualities they add the grace and beauty of the ruffled and fringed sorts. For borders, beds, window, or porch-boxes they have no equals. Four splendid colors are available for 1933.

- 4216 **White Beauty.** Snowy white with attractive throat markings. A mass of flowers all summer. Beautifully frilled.
- 4217 **Pride of Portland.** Rich Tyrian rose, lighter in the throat; well waved; gorgeous in masses.
- 4218 **Elk's Purple.** Immense flowers with heavy velvety petals, crumpled and waved. Rich violet-purple.
- 4219 **Red Beauty.** Glowing crimson-scarlet, shading to rose in the throat and toward the lovely frilled edges.
- Any of the New Fringed Balconies, Pkt. only 25 cts. each, 90 cts. for four.**

4274 **NEW DWARF CALIFORNIA GIANTS.** The best strain of Giant Petunia for pot culture, also exceptional for bedding. We consider it the most compact Giant Petunia with the largest and best formed flowers of any dwarf type of Petunia on the market today. When in full bloom the plant shows all large colorful flowers with open throats, well marked and veined. **Pkt. 35 cts.**

PETUNIAS HA

(The Choicest Double and Single Varieties)

Wonderfully vigorous and free-flowering, thriving on any soil and in the hottest weather, few flowers are so generally satisfactory in our trying climate as the Petunias. Ingenious hybridizing has multiplied this family into many diverse forms. Single and double-flowering plain or fringed petals, tall or dwarf growth may all be had remarkably true from seed. Petunias are valuable for bedding, baskets and window boxes. The seed may be started indoors in February or March or sown in the open in early May.

- 4275 **Theodosia.** Delicately fringed flowers, clear pink in color with yellow throat. **Pkt. 35 cts., 500 Seeds \$1.00.**
- 4204 **Giant Single Fringed.** Large fringed flower. **Pkt. 35 cts., 3 Pkts. for \$1.00.**
- 4206 **Ruffled Giants.** A distinct type of recent development. Very large flowers, deeply ruffled and fluted; elegant in masses. **Pkt. 35 cts., 3 Pkts. \$1.00.**

DOUBLE PETUNIAS

- 4212 **Fancy Double Fringed, Mixed.** A superb mixture of ruffled and fringed varieties. **Pkt. 50 cts.**
- BALCONY PETUNIAS.** These varieties have become very popular within the last few years. They are free-blooming trailing, in growth, with large flowers. Particularly suited for hanging-baskets, porch-boxes, etc., and showy in beds.
- 4192 **White** 4194 **Rose** 4196 **Dark Red** 4199 **Mixed**
Each, **pkt. 15 cts., 1/8 oz. \$1.00.**
- 4198 **Balcony Blue (Violet Queen).** An outstanding variety, with large flowers of a beautiful, clear violet-blue color. **Pkt. 25 cts., 1/8 oz. \$1.25.**
- 4215 **Marvelous Double.** All colors mixed. **Pkt. 75 cts.**

NIGELLA Damascena. HA. Interesting flowers, elegant for cutting. The seed-pods of some are curiously horned and the black seeds are aromatic. Easy to grow, blooming all summer. 15 inches.

- 4058 **Double Mixed.** White and shades of blue. **Pkt. 10 cts., 1/2 oz. 25 cts.**
- 4031 **NEMESIA strumosa grandiflora. HHA.** Bushy plants, 8 to 12 inches high, with top clusters of large flowers somewhat resembling snapdragons. White, yellow, and shades of red, some marked with purple. **Pkt. 15 cts.**
- 4078 **OXALIS tropaeoloides (Wood Sorrel). HP.** Brownish foliage; small, yellow flowers. Fine for its foliage effect in bedding and good for pots and baskets. 6 to 8 inches. **Pkt. 10 cts.**

GENOTHERA (Evening Primrose). HP. Blooms all summer and very freely. Opens in the evening and lasts well during the next day, 2 to 3 feet.

- 4071 **Afterglow.** Yellow with brilliant red calyx. **Pkt. 15 cts.**
- PENTSTEMON (Beard Tongue). HP.** Splendid plants for the hardy border, very showy in clumps. They prefer a sunny situation and rich, deep soil.

4157 **Sensation.** A hybrid strain, with giant, gloxinia-like flowers, ranging in color from pink to scarlet and maroon, variously striped and blotched with other colors. Very free-blooming, from mid-summer until frost. 2 feet. **Pkt. 15 cts.**

4159 **Choice Mixed.** Of the Gloxinoides type; many colors. **Pkt. 10 cts.**



Phlox Drummondii

4276 **PLATYCODON grandiflorum** (Chinese Bellflower). **HP**. Balloon-like buds followed by broad, bell-shaped flowers; deep blue and white, mixed. 1½ feet. **Pkt. 10 cts., Trade pkg. 40 cts.**

4220 **PHACELIA campanularia**. **HA**. One of the finest of the really blue flowers; ideal for borders and edging. Bushy plants covered with clear, deep blue, bell-shaped flowers from May until August. Sow in early spring or fall. 8 in. **Pkt. 10 cts.**

PHLOX (Flame Flower)

A very beautiful and useful family. The annual sorts make brilliant beds while the perennials are great favorites for the border. To secure the best results, they should be sown in well-drained soil and thinned out at an early stage to secure sturdy plants. Full sun exposure suits them best, as in wet or shady situations they are subject to mildew. All faded trusses of flowers should be removed before they go to seed.

PHLOX DRUMMONDII GRANDIFLORA HHA

Improved, large-flowering, tall varieties, producing their showy trusses of big, round florets from early July until fall. The seed should be sown outdoors in April or May, although it may be started earlier indoors if extra-early bloom is desired. Thin the plants to stand at least 10 inches apart. Fine bedders and useful for cutting. 1 foot tall.

4223 Pure White	4234 Bright Rose	4236 Scarlet
4227 Primrose-yellow	4240 Violet	4238 Blood-Red
4229 Shell-Pink	4231 Pink with Red Eye	4225 White with Violet Eye

Each, pkt. 10 cts., ¼ oz. 45 cts.

4242 **Finest Mixed**. The very finest mixture of large-flowering, tall varieties; a magnificent assortment of brilliant colors; many flowers with distinct eyes. **Pkt. 10 cts., ¼ oz. 35 cts.**

4245 **Starred and Fringed, Mixed**. Flowers of many colors, with deeply fringed and pointed petals. **Pkt. 10 cts., ¼ oz. 45 cts.**

DWARF PHLOX DRUMMONDII HHA

The dwarf varieties are compact in growth, averaging 6 inches in height. For edgings and low borders they are unsurpassed, blooming profusely from early summer until fall.

4248 Snowball . Pure white.	4254 Fireball . Scarlet.
4251 Rose . Bright rose.	4259 Finest Mixed .

Each, pkt. 15 cts., ¼ oz. 85 cts.

4260 **Large-flowering Dwarf Cecily, Mixed**. A strain which produces extra-large trusses of flowers, mostly in the lighter colors. 6 inches. **Pkt. 15 cts., ¼ oz. 75 cts.**

PHLOX DECUSSATA GRANDIFLORA HP

The hardy Phloxes are splendid old-fashioned border flowers, lasting for years when once established on good soil, and blooming from July until September. The seed should be sown during the summer or fall months. 3 feet.

4267 **Finest Mixed**. Saved from the newest and best large-flowering varieties. The seed germinates slowly and irregularly over a period of six months or more. **Pkt. 25 cts.**

NEW POPPY SHIRLEY DOUBLE BEGONIA FLOWERED SWEET BRIAR

One of the most popular colors and also the best seller in Shirley Poppies has been Wild Rose Pink. We now offer this most beautiful color in a Begonia Flowered Double type named SWEET BRIAR.

4307 **DOUBLE BEGONIA FLOWERED SWEET BRIAR** is a delightful shade of deep Rose-Pink. The blossoms are full double, resembling a very large double begonia. **Pkt. 25 cts., ¼ oz. 60 cts.**

4292 **Shirley Improved**. A great favorite, coming in many beautiful shades—rose, salmon, apricot, pink, crimson, red with white margin, etc. 2 feet. **Pkt. 10 cts., ¼ oz. 25c.**

4312 **Double Shirley Hybrids**. Semi-double or ranunculus-flowered, in all of the attractive Shirley colors; the most noteworthy of the recent developments in Poppies. 2 ft. **Pkt. 10 cts., ¼ oz. 25 cts.**

4317 **Carnation-flowered, Mixed**. Large, ball-shaped flowers; petals beautifully fringed. 3 ft. All colors. **Pkt. 10 cts., ¼ oz. 15 cts.**

4318 **Peony-flowered, Mixed**. In form resembling a Peony; large and double. 3 ft. **Pkt. 10 cts., ¼ oz. 15 cts.**

4319 **Double-flowered, Choice Mixed**. **Pkt. 10 cts., ¼ oz. 15 cts.**

For Perennial Poppies, see page 58



Single Shirley Poppies



PERENNIAL POPPIES HP

The hardy Poppies are among our most gorgeous "old-fashioned" flowers. The Bracteatum and Orientale varieties may be sown from July to September to flower the following season. The Iceland Poppies may be handled in the same way or started indoors in February, in which case they will bloom the first season. Like the annual varieties, the hardy Poppies thrive on comparatively poor soil but prefer a sunny and well-drained location.

- 4321 **Bracteatum**. Immense, blood-red flowers, with black blotches at the base of each petal. 4 feet. **Pkt. 10 cts., ¼ oz. 75 cts.**
- 4324 **Iceland, Mixed** (Nudicaule). Very graceful, dwarf plants bearing many dainty flowers. White, shades of yellow, salmon, and orange. 1 foot. **Pkt. 15 cts., ¼ oz. 75 cts.**
- 4326 **Orientale**. Gigantic, deep scarlet flowers; the flaming "Decoration Day" Poppy. 3 feet. **Pkt. 10 cts., ¼ oz. 50 cts.**
- 4328 **Princess Victoria Louise**. Beautiful salmony pink. **Pkt. 15 cts., ¼ oz. \$1.00.**
- 4329 **Orientale Hybrids, Mixed**. Like Orientale but the flowers are white, orange and shades of red. **Pkt. 10 cts., ¼ oz. 75 cts., oz. \$2.00.**

PORTULACA HA

Ideal bedding flowers for light, dry soils and sunny situations, blooming profusely during the hottest weather and making very bright and showy beds. The flowers come in white and shades of red and yellow; the plants are procumbent with succulent stems and leaves. The seed should be sown where the flowers are wanted and the plants thinned out to stand about 10 inches apart. Height 4 to 6 inches.

- 4335 **Single Finest Mixed**. All colors. **Pkt. 10 cts., ¼ oz. 30 cts.**
- 4339 **Double Mixed**. Extra-fine quality. Flowers like little roses; a large percentage come double. **Pkt. 15 cts., ¼ oz. 85 cts.**

PHYSALIS FRANCHETTA HP

- 4221 Flowers bright orange-scarlet, shaped like a Chinese lantern, ideal for winter decoration. **Pkt. 10 cts.**

PRIMROSES TP

- 4361 **PRIMULA Kewensis, TP**. A robust grower; flowers bright yellow; the plants commence to bloom while still quite small and flower continuously for a long period. Culture like *Primula sinensis*. **Pkt. 25 cts.**
- 4365 **PRIMULA malacoides superba, TP**. The improved Baby Primrose. Foliage light green, deeply waved and fringed; flowers in profusion on long stems, lavender-pink. Fine pot-plants. Culture like *Primula sinensis*. **Pkt. 35 cts.**
- 4366 **Malacoides alba**. A pure white form of the above. **Pkt. 35 cts.**
- 4367 **Malacoides fl.-pl.** A strain producing a high percentage of dainty double flowers. **Pkt. 35 cts.**



Oriental Poppy

PRIMULA OBCONICA TP

A class that has been steadily growing in popularity for decorative pot-plants, blooming from autumn to spring. Culture like *Primula sinensis*.

GIGANTEA TYPE. Flowers nearly as large as the Chinese Primroses. Choice seed of the originator's strain.

- 4371 **Gigantea White** 4373 **Apple Blossom** 4380 **Bush Hill Blue**
 4372 **Lilac**
 4376 **Deep Rose** 4379 **Red** 4381 **Mixed**

Each, pkt. 35 cts., 3 pkts. for \$1.00.

GRANDIFLORA TYPE. Smaller flowers but very free-blooming.

- 4385 **Lilac** 4388 **Grandiflora rosea** 4394 **Mixed**
 4387 **Apple Blossom** 4392 **Red**

Each, pkt. 25 cts., 3 pkts. for 70 cts.



Primula Obconica Gigantea

HOW TO KEEP FLOWERS FRESH

Freshly cut flowers are a source of delight in any home, but at the same time they often are a trial and disappointment to the housewife because of their short life.

Pure, fresh water every day, kept at as low a temperature as possible, will do wonders. In addition, the practice of breaking off a bit of the stem each day aids in keeping the flowers alive.

Poppies, heliotrope, mignonette, dahlias and poinsettias will keep best if the stems are plunged into boiling water shortly after they have been cut and are then placed in cold water. Hot water seals the ends, prevents the sap from flowing downward and permits absorption through the outer surface of the stems in parts higher up.

Chemicals such as charcoal and aspirin disinfect the water and consequently can be used as an aid in keeping flowers fresh. It has been found that the use of a 0.1 solution of boric acid will improve the keeping qualities of carnations three to seven days. One-half tablet of aspirin to 2 quarts of water helps chrysanthemums and dahlias, but fails to do much for other blooms. One teaspoonful of cane sugar to 1 quart of water will do much to freshen asters.



**Emperor
Salpiglossis**

SALPIGLOSSIS (Painted Tongue) HA

A gorgeous display is given by these plants during the hot days and drought of July and August. Their coloring is wonderfully rich, and the funnel-shaped flowers are marvelously painted and penciled, having the appearance of numerous overlapping petals. A most satisfactory plant for dry situations. $2\frac{1}{2}$ to 3 feet.

Emperor Strain. An improved form, of columnar growth.

4461 White and Gold	4467 Crimson
4462 Light Yellow	4468 Light Blue and Gold
4463 Brown and Gold	4469 Purple and Gold
4464 Rose and Gold	4470 Velvety Violet
4465 Scarlet and Gold	4472 All Colors Mixed

Each, pkt. 10 cts., $\frac{1}{4}$ oz. 45 cts.

SALVIA (Flowering Sage)

SPLENDENS VARIETIES. HHA. These are the popular Scarlet Sages. The seed should be started indoors in February or March.

4478 **Splendens.** The type variety. Bright red. 2 feet. Pkt. 10 cts., $\frac{1}{8}$ oz. 45 cts.

4480 **America or Globe of Fire.** The freest and most continuous bloomer of all the Scarlet Sages; also the most uniform in habit of growth, which makes it particularly valuable for bedding or planting in lines. $1\frac{1}{2}$ feet. Pkt. 20c $\frac{1}{8}$ oz. 90 cts.

4482 **Bonfire.** Very compact in growth, with erect spikes; brightest scarlet. 2 feet. Pkt. 15 cts., $\frac{1}{8}$ oz. 65 cts.

4487 **Ostrich Plume.** Scarlet flowers in plumes instead of spikes. Very attractive. Pkt. 25 cts.

4489 **Scarlet Dragon.** Flowers nearly twice the size of other varieties. Deep scarlet. Plants 3 feet high and 3 feet in diameter. Pkt. 15 cts.

4491 **Zurich or Lord Fauntleroy.** Dwarf, early and free-flowering; a splendid strain. $1\frac{1}{2}$ feet. Pkt. 15 cts., $\frac{1}{8}$ oz. 90 cts.

4495 **SALVIA farinacea.** HP. Long spikes of light blue flowers from July until frost. Will bloom the first season from seed. 2 feet. Pkt. 15 cts.

4499 **SALVIA patens.** HP. Rich and lovely azure-blue. 3 feet. Pkt. 25 cts.

SAPONARIA

- 4505 Calabrica. Rose. Pkt. 15 cts.
- 4506 Calabrica Alba. Pure white. Pkt. 15 cts.
- 4507 Vaccaria. Pkt. 15 cts.
- 4508 Vaccaria alba. Pure white. Pkt. 15 cts.

PYRETHRUM HP

4422 **Roseum hybridum grandiflorum.** Daisy-like flowers. New giant-flowered single varieties, ranging from light pink to carmine-red. They are elegant for cutting and plants are perfectly hardy. Mixed. 2 feet. Pkt. 15 cts.

4424 **Hybridum flore-pleno.** Finest double hybrids. Seed saved from a famous collection. Only a portion of the plants will produce double flowers the first season. Pkt. 35 cts., 3 pkts. \$1.00.

FOLIAGE or BEDDING PYRETHRUMS TP

4427 **Parthenifolium aureum.** The well known Golden Feather. Valuable for bedding. 6 inches. Pkt. 10 cts.

4429 **Parthenifolium aureum selaginoides.** The beautiful Fern-leaved Golden Feather. 5 inches. Pkt. 10 cts.

RICINUS (Castor-Oil Plant) HHA

Nothing we offer surpasses these in subtropical effectiveness. Some will very easily reach a diameter of 10 to 12 feet, and others a height of 15 feet or more, according to treatment. For quicker results start seeds in pots.

4440 **Borboniensis arboreus.** Imposing tree-like variety with giant leaves. 15 feet. Pkt. 10 cts., oz. 25 cts.

4442 **Cambodgensis.** Beautiful, dark foliage; stems almost black. 5 to 8 feet. Pkt. 10 cts., oz. 25 cts.

4444 **Gibsonii.** Dark purple leaves and stems; of dwarf habit. 4 feet. Pkt. 10 cts., oz. 25 cts.

4446 **Panormitanus.** Immense leaves, bronzy green with plumlike bloom. 6 to 7 feet. Pkt. 10 cts., oz. 25 cts.

4448 **Sanguineus.** A very ornamental variety. Stalk and fruit vessels blood-red. Very good for contrast when planted with the green foliaged varieties. 8 feet. Pkt. 10 cts., oz. 25 cts.

4451 **Zanzibarensis, Mixed.** Fine varieties for specimen plants or groups; mostly green-leaved. Rapid growing. Pkt. 10 cts., oz. 25 cts.

4503 **SANVITALIA procumbens.** HA. One of the best annuals for low borders, preferring a light soil and sunny situation. A mass of bloom from midsummer to late fall. Small flowers, bright yellow with purple disc. Pkt. 10 cts.

SCHIZANTHUS (Butterfly Flower) TA

A plant of rare beauty and elegance; ideal for pots or cutting. Buds will open in water and the sprays last for a week. The best plants are grown from fall-sown seed. Make succession plantings, using ordinary soil and giving same treatment as for Cineraria.

4534 **Excelstor.** Mammoth flowers with attractive markings on white, rose, or buff. Fine for greenhouse culture. Pkt. 40 cts.

4536 **Monarch.** The finest large-flowering strain in existence, with a wide range of marvelous colors—from almost pure white through delicate shades of pink to bright rose and crimson, exquisite mauve and lavender tints, and many beautifully blotched and penciled with darker shades, including bronze and chocolate. Pkt. 40 cts.

4537 **Dr. Badger's Large-flowering Hybrids.** Extra select hot-house strain. Pkt. 25 cts.

4539 **Large-flowering Hybrids.** Dainty flowers in a good variety of colors; easy to grow. Pkt. 20 cts.



Salvia, or Scarlet Sage



STOCKS

STOCKS (Gilliflower) HHA

The Stocks are old-world favorites, useful for bedding, pot-plants and cutting. They are generally satisfactory but do best on a medium-light soil, with plenty of moisture and some shade in hot weather. The seed may be sown under glass in March or outside in late April or May; indoor planting will, of course, provide earlier flowers. Under favorable conditions Stocks will bloom from midsummer until frost.

Early Giant Imperial (Improved Bismarck)

A florist's money-maker. Growing from 24 to 30 inches tall, of branching habit. Very early blooming and producing a high percentage of doubles.

4590 White	4594 Lavender	4599 Canary-Yellow
4592 Chamois Rose	4595 Blood-Red	4600 Dark Blue
4593 Deep Rose	4597 Apple Blossom	4603 Mixed

Any of the above varieties, pkt. 15 cts., ¼ oz. 75 cts.

Improved Giant Perfection (Double Branching)

These are an improvement on the variety offered as Ten-Weeks Stock. Of splendid pyramidal growth, freely branching from the main stem, giving an abundance of large spikes of double flowers from early summer until fall. Height 2 feet.

4612 White	4615 Canary-Yellow	4617 Light Blue
4614 Chamois Rose	4619 Fiery Crimson	4623 Dark Blue
	4625 Mixed	

Any of the above varieties, pkt. 10 cts., ¼ oz. 60 cts.

Giant Flowering Beauty Stocks

This variety is now recognized as the most valuable of all Stocks for cutting purposes and the most popular for general use.

4634 Almond Blossom. White tinted carmine.
4636 Beauty of Nice. Delicate pink.
4635 Crimson King. Brilliant crimson.
4632 Mont Blanc. Pure white.
4633 Monte Carlo. Canary-yellow.
4641 Queen Alexandra. Rosy lilac.
4645 Summer Night. Rich deep blue.
4646 All Colors, Mixed.

Any of the above varieties, pkt. 10 cts., ¼ oz. 60 cts.



STOCK GIANT IMPERIAL

4565 **SMILAX** (*Myrsiphyllum*). TP. This popular decorative vine of the florists is readily grown from seed, and will attain a height of 6 to 12 feet. Should have a rich soil. Most suitable for conservatory. Pkt. 10 cts., ¼ oz. 35 cts.

4571 **SOLANUM capsicastrum nanum** (*Jerusalem Cherry*). TA. Handsome plants with an abundance of ornamental scarlet berries. 1 foot. Pkt. 15 cts., ¼ oz. 40 cts.

4578 **STATICE incana**. HP. A beautiful variety of Sea Lavender. Pretty clusters of little, reddish flowers on erect stems above attractive trailing foliage. Fine for cutting and for the rock garden. 1½ feet. Pkt. 15 cts.

4580 **sinuata, White** (*candidissima*) 4584 **sinuata, True Blue**
4582 **sinuata rosea superba** 4585 **Suworowi, Pretty Pink**
Each, pkt. 10 cts., ¼ oz. 25 cts.

STEVIA

4586 **SERRATA**. Excellent for cutting, bearing great quantities of pure white flowers. Pkt. 10 cts.

4650 **STOKESIA cyanea** (*Cornflower Aster*). HP. A charming plant for the hardy border; also fine for cutting. It is perfectly hardy, grows to a height of 2 feet, and produces an abundance of beautiful flowers from midsummer until frost. Mixture of white, purple and shades of blue. Pkt. 15 cts., ¼ oz. 75 cts.

SILENE (Catchfly Plant)

4550 **ORIENTALIS**. HP. A robust border plant, with many heads of bright rose flowers, having a clove-like odor; nice for cutting. 2½ feet. Pkt. 10 cts.

PENDULA COMPACTA. HA. Bushy plants, about 6 inches high, with many branches and long racemes of very pretty flowers. They bloom in midsummer from spring sown seed, but may be had in flower early in the spring if the seed is sown in the fall. Nice for low borders.

4552 **White** 4554 **Peach Blossom** 4556 **Rosy Red** 4558 **Mixed**
Each, pkt. 10 cts.

4559 **SCHAFTA**. HP. A much-branched trailing variety, with showy, rosy purple flowers. Pkt. 15 cts., oz. \$2.00.

INDOOR PLANT DISEASES

Some of the Common Insect and Disease Symptoms.

Surface spots on leaves—sign of fungous attack. Spray with potassium sulphide.

Grayish leaves—sign of red spider. Spray thoroughly with cold water.

Scales. Wash with soapy water or nicotine solution.

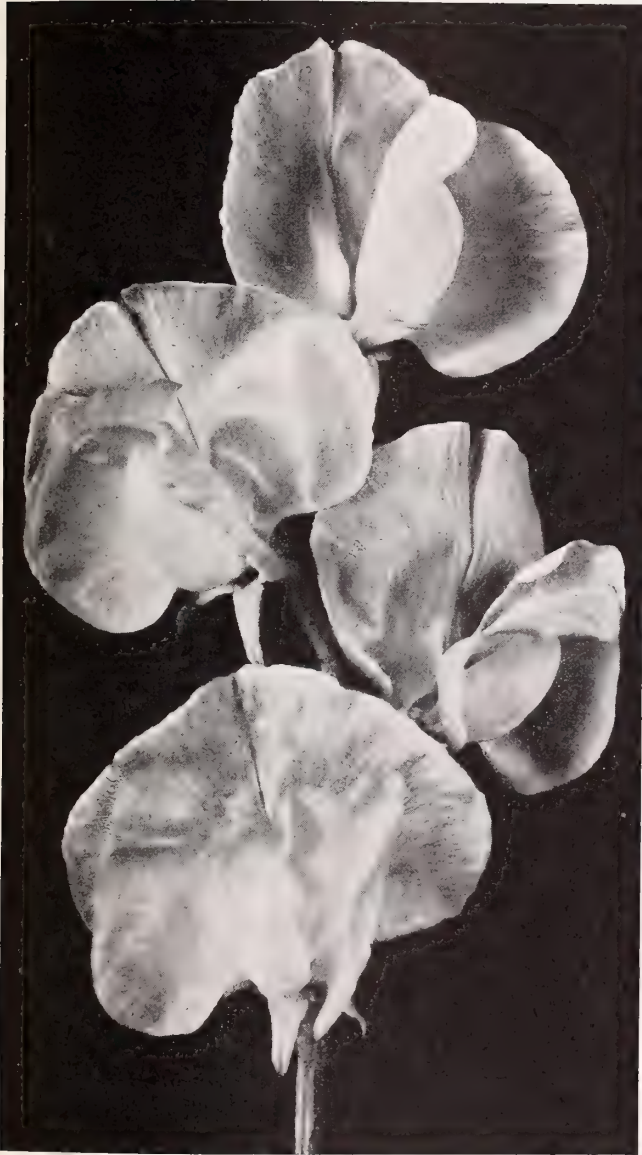
White, cottony masses—mealy bug. Wash with soapy water or nicotine solution.

White fly. Spray with nicotine.

Worms or caterpillars. Pick them off or spray with arsenate of lead.



Five New Varieties



SPENCER SWEET PEAS

NEW EARLY or WINTER FLOWERING. We have great pleasure in offering to our patrons a very complete list of Early or Winter-flowering Spencer Sweet Peas. Many of our patrons grew them under glass last fall and produced wonderful results. They are equally desirable, however, for outdoor planting as they come into bloom two to three weeks ahead of the standard Spencer varieties and, if kept cut, will continue to bloom nearly as long.

4809 **MISS ANNIE LAURIE** constitutes the richest tone of pure Rose-Pink ever produced in a Sweet Pea. It is several shades richer than Majestic Rose or Zvolanek's Rose, and is a marvelous improvement over these two varieties. Reports received from the trade who have already grown **MISS ANNIE LAURIE** on trial, declare it is just the color the florists want. In the trials and in the field cultures, it shows up as the most vigorous Sweet Pea we have ever grown. Long Stems which are maintained throughout its blooming period, and Fours of course, and it is an abundant, prolific and continuous bloomer. **Pkt. 25 cts., ½ oz. 50 cts., oz. 90 cts.**

4810 **EARLY PAL.** (Long-stemmed.) This is the lively, scintillating, pleasing rich rose-crimson Early Sweet Pea which florists and commercial growers have been looking for. Most crimson Sweet Peas, grown under glass, lose brightness of color but in Early Pal we have developed a combination of rose and crimson which holds the brightness and depth of color. The stems are long and strong and the flowers are of excellent form, large and bold. The vines are vigorous in growth and very free-flowering. **Pkt. 25 cts., ½ oz. 60 cts., oz. \$1.00.**

4811 **EARLY VOGUE.** This is an improved Early Lavender. It is a selection out of the popular lavender Early Harmony. The flowers are large and well placed on long stiff stems, most of which carry four blossoms. In our opinion this is the best lavender ever introduced, and we feel sure that it will become very popular with the florist. It is a very vigorous grower and extremely floriferous. **Pkt. 25 cts., ½ oz. 60 cts., oz. \$1.00.**

4812 **EARLY APOLLO.** (Long-stemmed.) In Early Apollo we have a fine companion for the long-stemmed Early Sunray introduced recently. It belongs to our new race of long-stemmed Early Sweet Peas developed for commercial flower growers and florists. In color it is a soft salmon-pink self, a charming and appealing shade blending perfectly with most pink and lavender tints. Contrasted in a bunch with white or cream the effect is delightful. The flowers are unusually large, nicely waved, splendidly placed, and the stems very long. Truly a great novelty. **Pkt. 25 cts., ½ oz. 60 cts., oz. \$1.00.**

4813 **FASCINATION.** A child of two famous parents, Early Jeanne Mamitsch X Late Hawlmark Pink. Early Fascination is a combination of color, vigor and stems bred for the exacting specifications of the florist. An Early Flowering Sweet Pea with the Salmon Rose-Pink color of the famous Late Hawlmark Pink plus the long, strong stems that have made the Early Jeanne Mamitsch so popular as a commercial Sweet Pea. The color is even a richer, deeper Salmon Rose-Pink than Hawlmark Pink. **Pkt. 25 cts., ½ oz. \$1.00, oz. \$1.50.**

In response to numerous inquiries we submit the following list of twelve Early Flowering Spencer Sweet Peas as being the best in their respective classes, and containing as wide a range of color as possible.

- 4814 **All White**, largest pure white.
 - 4815 **Amethyst**, royal purple.
 - 4816 **Aviator**, dazzling crimson scarlet.
 - 4817 **Blue Bonnet**, clear deep blue.
 - 4818 **Eldorado**, orange.
 - 4819 **Glitters**, cerise.
 - 4820 **Grenadier**, dazzling scarlet.
 - 4821 **Imperial Pink**, large clear pink.
 - 4822 **Lady Gay**, soft shrimp pink.
 - 4823 **Majestic Rose**, brilliant rose pink.
 - 4824 **Sweet Lavender**, pure lavender self.
 - 4825 **Valencia**, sunproof orange.
- } **Pkt. 15 cts.**
} **oz. 65 cts.**
} **¼ lb. \$2.50**



SUMMER-FLOWERING SPENCER VARIETIES

It has been only a few years since the first of the Spencer Sweet Peas was introduced to American gardeners, but they have in that short time so completely overshadowed the old-fashioned or Grandiflora varieties that the latter are almost forgotten. The flowers of the Spencer or Orchid-Flowered type are of extraordinary size, with beautifully waved standards and wide-spreading wings, round and open, often measuring 2 inches or more across. A large percentage bear four of these immense blossoms to the stem, and the stems are long and strong, making them of exceptional value for cutting.

In exquisite form and range of elegant colors, there are no flowers to compare with Sweet Peas. We offer the cream of the Spencer sorts that have been tested and found to be of true merit and distinct in color.



Spencer Sweet Peas

WE TAKE PLEASURE IN SUBMITTING A COLOR CLASSIFICATION OF THE STANDARD SPENCERS

	Pkt.	Oz.	¼ lb.
BLUE			
4900 Blue Bird	\$.10	\$.30	\$.90
4901 Reflection .....	.10	.30	.90
BLUE (Light)			
4902 Gleneagles .....	.10	.30	.90
4903 Porcelain .....	.10	.30	.90
BLUE (Dark)			
4904 Blue Flame .....	.10	.30	.90
4905 Fortune .....	.10	.30	.90
BLUSH (Pink)			
4906 Beauty .....	.25	.50	1.75
4907 Valentine .....	.10	.30	.90
BLUSH (Lilac)			
4908 Elegance .....	.10	.30	.90
4909 Ruffled Beauty .....	.25	.50	1.75
CARMINE			
4910 Damask Rose .....	.25	.50	1.75
CERISE			
4911 Royal Salute .....	.10	.30	.90
4912 Charming .....	.10	.30	.90
4913 Flamingo .....	.10	.30	.90
4914 Mrs. A. Searles.....	.10	.30	.90
CREAM			
4915 Daffodil .....	.10	.30	.90
4916 What Joy .....	.10	.30	.90
CREAM (Pink)			
4917 Bon-Bon .....	.35	.75	2.50
4918 Giant Attraction .....	.10	.30	.90
4919 Fluffy Ruffles .....	.15	.35	1.00
4920 Mary Pickford .....	.10	.30	.90
CRIMSON			
4921 Crimson King .....	.10	.30	.90
4922 Sybil Henshaw .....	.10	.30	.90
FLUSHED			
4923 Jack Hobbs (Cream).....	.10	.30	.90
4924 Mrs. Horace Wright (White).....	.10	.30	.90
LAVENDER			
4941 R. F. Felton (Rose) .....	.10	.30	.90
4925 Wembley (Light) .....	.10	.30	.90
4926 Powerscourt (Lilac) .....	.10	.30	.90
MAROON			
4927 The Sultan .....	.10	.30	.90
ORANGE			
4928 Colorado .....	.10	.30	.90
4929 Pirate Gold (Deep).....	.35	.75	2.50
4930 Royal Pink (Pink).....	.10	.30	.90
4931 Mammoth (Scarlet) .....	.10	.30	.90
PICOTEE (Cream Ground)			
4932 Sunkist .....	.10	.30	.90
PICOTEE (White Ground)			
4933 Youth .....	.10	.30	.90
PINK			
4934 Ascot (Pale) .....	.10	.30	.90
4934-A Rosie (Deep) .....	.35	.75	2.50
4935 Del Monte (Salmon).....	.10	.30	.90
PURPLE			
4936 Olympia .....	.10	.30	.90
ROSE			
4937 Corona .....	.10	.30	.90
SALMON			
4938 Gold Crest .....	.10	.30	.90
SCARLET			
4939 Ruddigore .....	.10	.30	.90
WHITE			
4940 Avalanche .....	.10	.30	.90



4895 **BECKERT'S SUPERB MIXTURE OF SPENCER SWEET PEAS.** This special mixture is made up of only the finest named varieties of true Spencer-type Sweet Peas. It comprises all colors in the proper proportions, affording an almost endless variety of flowers for every purpose. It will surely delight all who do not have the space to make plantings of separate named sorts. **Pkt. 10 cts., oz. 20 cts., 1/4 lb. 50 cts., lb. \$1.75.**

5044 **THUNBERGIA alata** (Black-eyed Susan). **HHA.** A slender trailing annual which will grow in the poorest soil and bloom under the most trying conditions. Flowers produced in the greatest profusion; white, cream and sulphur-yellow, many with black centers. Excellent for porch baskets and window boxes. **Pkt. 10 cts., 1/4 oz. 30 cts.**

5048 **TORENIA Fournieri grandiflora.** **HA.** Fine for borders and porch-boxes. Covered with flowers, light and dark blue with yellow lip, from early spring until frost. Thrives in moist spots but not in shade. 6 inches. **Pkt. 15 cts., 1/16 oz. 50 cts.**

5005 **SWEET ROCKET** (*Hesperis matronalis*). **HP.** Erect-growing, 2 feet tall, with clusters of sweet-scented flowers. Nice for the borders and for cutting, thriving in poor soil. White and deep lavender. **Pkt. 10 cts., oz. 35 cts.**

THALICTRUM (Meadow Rue) HP

5006 **ADIANTIFOLIUM.** Foliage like Maiden Hair Fern; miniature white flowers. **Pkt. 10 cts., 1/4 oz. 60 cts.**

5007 **DIPTEROCARPUM.** Dainty, graceful sprays of flowers, invaluable for cutting; violet-mauve, yellow stamens. **Pkt. 10 cts., 1/16 oz. 50 cts.**

VIOLA CORNUTA HP (Tufted-Pansy)

Splendid for bedding in damp, shady spots. They are perfectly hardy, although it is advisable to give them a light covering of dead leaves over winter. The seed may be sown in August or early May. They bloom from early spring to fall and bear very bright and attractive flowers.

5117 **Admiration.** Darkest blue.

5119 **Blue Perfection.** Azure.

5123 **Lutea splendens.** Golden.

5127 **White Perfection.** White.

5129 **Finest Mixed.** All colors from yellow to scarlet and from delicate rose to purple, many blotched or margined with distinct shades.

Each, pkt. 15 cts.

5135 **VIOLA odorata** (Sweet-scented Violet). **HP.** Large, violet-blue flowers; very fragrant. **Pkt. 15 cts., 1/4 oz. \$1.00.**

VINCA ROSEA (Periwinkle) TA

The Vincas are favorites for bedding, as they do well in partly shaded as well as sunny locations, and do not require a rich soil. The plants are very handsome, about 1 foot high with glossy dark green foliage and charming star-shaped flowers which will last in water for a week if cut when the buds are beginning to open. Start the seed indoors in January or February and set the plants outdoors in April, about 1 foot apart each way; they will bloom from the time the plants are set out until fall. Or the seed may be sown directly in the open soil in late April. The Vincas make fine window-box plants. Give them a medium light soil if possible and an occasional heavy watering.

5101 **White** 5102 **White with Rose Eye**

5103 **Rose** 5106 **Three Colors Mixed**

Each, pkt. 10 cts., 1/4 oz. 30 cts., oz. \$1.00.

5104 **Delicate Carmine.** Purplish carmine, lighter at the margins. **Pkt. 15 cts., oz. \$1.25.**

VISCARIA. **HA.** Closely related to "Ragged-Robin" and the old fashioned "Catchfly." The large-flowered dwarf hybrid *Viscarias* are easily grown under even unfavorable conditions. Exceedingly free-blooming. 12 inches.

5137 **Innocence.** Pure white. 5138 **Loyalty.** Lavender-blue. **Each pkt. 20 cts., 3 pkts. for 50 cts.**



Scabiosa, Double Varieties

SCABIOSA

(Mourning Bride; Pincushion Flower) HA

Extremely free-flowering plants, splendid for beds and borders, and producing very attractive cut-flowers. Sometimes grown for winter bloom.

TALL, LARGE-FLOWERING, DOUBLE VARIETIES

Constant and free bloomers, the plants being masses of color throughout the summer months. 3 feet.

4511 **White** 4514 **Black King** 4518 **Cherry-Red**
4512 **Azure Fairy** 4516 **Rose** 4520 **Crimson**

4522 **All Colors Mixed**

Each, pkt. 10 cts., 1/4 oz. 25 cts.

4509 **Peach Blossom New Pink.** 4510 **Shasta New White.** **Pkt. 15 cts.**

4525 **Large-flowered, Double, Dwarf Mixed.** Very nice for beds. Many colors. 1 foot tall. **Pkt. 10 cts., 1/4 oz. 25 cts.**

4527 **SCABIOSA caucasica.** **HP.** Flowers light azure-blue, on long stems. Blooms the first season from early-sown seed. 3 feet. **Pkt. 15 cts., 5 pkts. 65 cts.**

4529 **SCABIOSA japonica.** **HP.** Bushy plants with lavender flowers; fine for cutting; early blooming. 2 feet. **Pkt. 10 cts.**

4543 **SHAMROCK.** **HHP.** True, imported seed. **Pkt. 10 cts.**

5092 **VERONICA spicata.** An elegant hardy border plant, growing about 1 1/2 feet high, producing long spikes of bright blue flowers in June and July. **Pkt. 15 cts.**

WALLFLOWER (Cheiranthus) HHP

5145 **Dwarf Double Branching.** A splendid mixture of low-growing sorts, producing fine large spikes in the greatest abundance. Fine for borders and pots. **Pkt. 25 cts.**

5146 **Earliest Paris.** Blooms the first season from spring-sown seed and may be treated as an annual. Shades of brown. **Pkt. 10 cts., 1/4 oz. 30 cts.**

5148 **Annual Single Mixed.** The earliest blooming, single-flowered varieties. **Pkt. 10 cts., 1/4 oz. 30 cts.**

SWEET WILLIAM (Dianthus Barbatus) HB

These favorite "old-fashioned garden" flowers are too well known to need any description. The seed is usually sown in July or August and the seedling plants transplanted in September to the beds or borders where they are to bloom the following season. It may also be sown in early spring, in which case the plants will not come into full bloom until the second season. Sweet William does best in a fairly rich soil and in a sunny location.

- 5011 **Holborn Glory.** Large, handsome, single flowers with distinct white eyes and white edges. Pkt. 10 cts., $\frac{1}{4}$ oz. 15 cts., oz. 50 cts.
- 5013 **Single White.** Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.
- 5015 **Pink Beauty.** Single; deep pink; very fine. Pkt. 10 cts., $\frac{1}{4}$ oz. 35 cts.
- 5019 **Scarlet Beauty.** Single; the entire flower intense scarlet. Pkt. 10 cts., $\frac{1}{4}$ oz. 30 cts.
- 5021 **Single Crimson.** Pkt. 10 cts., $\frac{1}{4}$ oz. 25 cts.
- 5023 **Single Mixed.** All colors in finest mixture. Pkt. 10 cts.
- 5026 **Double Pink Beauty.** A beautiful new, double-flowering, deep salmon-pink variety. Pkt. 15 cts., $\frac{1}{4}$ oz. 75 cts.
- 5029 **Finest Double Mixed.** Many showy colors. Pkt. 10 cts., $\frac{1}{4}$ oz. 40 cts.
- 5032 **THE NEW ANNUAL SWEET WILLIAM. HA.** The result of a cross between *Dianthus barbatus* and *D. chinensis*, it resembles Sweet William but it is a true annual, blooming in midsummer from seed sown early in May. Pkt. 10 cts., $\frac{1}{4}$ oz. 50 cts.



Sweet William

A New Color in Verbenas



Verbena Grandiflora

- 5057 **VERBENA LAVENDER GLORY** is a true Lavender with a medium sized creamy white eye which accentuates the lovely Lavender tone. The color runs quite even, and the individual florets will cover a fifty cent piece. It is also distinctly and sweetly fragrant. We offer LAVENDER GLORY with a great deal of pride as the finest Verbena we have ever introduced. Pkt. 50 cts., 3 pkts. \$1.25.

MAMMOTH FLOWERING

- | | |
|--------------------|-------------------------------|
| 5063 Pink Shades | 5069 Mammoth White |
| 5066 Purple Shades | 5067 Mammoth Scarlet Defiance |
| 5070 Mammoth Mixed | 5065 Mammoth Blue Shades |
- Each, Pkt. 15 cts., $\frac{1}{4}$ oz. 50 cts.

VERBENA HYBRIDA GRANDIFLORA

- A new strain of Verbenas with immense trusses.
- | | |
|---------------------------|-------------------------------|
| 5058 Blue, White Eye | 5052 Pure White |
| 5056 Coccinea, Scarlet | 5054 Rose Cardinal, White Eye |
| 5055 Rosea Stellata, Pink | 5060 Gigantea, Mixed |
- Pkt. 25 cts., 5 Pkts., \$1.00.
- 5074 **Lucifer.** A new variety. The entire flower is intense, brilliant scarlet, showing up like flame against the deep green foliage. Pkt. 15 cts.
- 5076 **Mayflower.** An unusually fragrant strain of Verbenas, with large florets, mostly in shades of pink and rose. Pkt. 20 cts.
- 5078 **Auricula-flowered.** Large florets of many colors, each marked with a distinct white eye. Pkt. 10 cts.
- 5079 **Italian Striped.** Florets striped with fine, radiating lines. Pkt. 10 cts.
- 5087 **V. venosa, TP.** Bushy plants 1 foot high; flowers in graceful panicles; sky-blue to purple. Excellent for edging. Pkt. 10 cts.
- 5088 **Violacea Stellata.** Deep violet purple with white eye. Pkt. 20 cts.



BECKERT'S Improved ZINNIAS

The seed may be sown in a hotbed or sunny window and transplanted, or sown later in the open ground. The plants come into flower early in the summer and keep on blooming until hard frost. No annual excels the Zinnia in freedom of bloom. Splendid for garden decoration and for cutting.

Giant Mammoth or California Giants

	Pkt.	¼ oz.	1 oz.
5201 Cerise Queen , Cerise rose.....	\$.15		\$.60
5206 Daffodil (new) canary yellow .....	.15		.60
5211 Grenadier , dark red .....	.15		.60
5214 Lemon Queen , lemon orange .....	.15		.60
5323 Miss Wilmott , soft pink .....	.15		.60
5292 Orange King , burnt orange .....	.15		.60
5216 Orange Queen , golden yellow .....	.15		.60
5295 Purity , white .....	.15		.60
5224 Scarlet Gem , glowing scarlet .....	.15		.60
5227 Violet Queen .....	.15		.60
5228 All Colors Mixed .....	.10		1.50

Mammoth Dahlia-Flowered Zinnias In Beautiful New Colors

Besides producing by far the largest flowers of all the Zinnias, the Dahlia-flowered varieties are distinguished by being nearly as deep in the center as they are wide, with smaller individual petals than the ordinary varieties, but many more of them. Moreover, their colors are softer and more pleasing, being characterized by blended shades and pastel effects which, with the slightly reflexed and closely overlapping petals, give the whole flower the appearance of a fine satin cushion. The plants are tall and vigorous, producing a wealth of immense blooms from July until frost.

We can now offer 12 distinct colors as well as a mixture as follows:

- 5252 **Lemon Beauty**. Golden yellow on brown.
 - 5253 **Canary Bird**. Clear primrose-yellow, retaining its pure color to the very last.
 - 5256 **Oriole**. Immense gold and orange bicolor. Perhaps the most beautiful in the entire group.
 - 5257 **Golden State**. Deep yellow in the bud turning to clear rich orange in full bloom.
 - 5259 **Polar B. r.** Pure white; of mammoth size.
 - 5261 **Illuminati**. Similar to Exquisite, but a striking self color of deep rose.
 - 5262 **Exquisite**. The most pleasing color in Zinnias. Light rose-pink shading to deep rose in the center.
 - 5263 **Old-Rose**. Real old-rose shade; very large.
 - 5264 **Flame**. A striking blend of scarlet and orange which seems to shine like burnished copper.
 - 5265 **Monarch**. Deep glowing red; enormous flowers, often 8 inches in diameter.
 - 5267 **Dream**. Lavender, deepening to mallow-purple in full bloom. An extraordinary color in Zinnias.
 - 5268 **Purple Prince**. A fine deep purple.
- Each of the above Mammoth Dahlia-Flowered Zinnias, **pkt. 15 cts., ¼ oz. 50 cts., ¼ oz. 90 cts.**
- 5270 **Mixed**. Dahlia-flowered type, but does not include the improved varieties offered above. **Pkt. 15 cts., ¼ oz. 40 cts., ¼ oz. 75 cts., oz. \$2.50.**

Beckert's Double Giant Zinnias

The Double Giants grow to a height of 3 feet and bear enormous double flowers which often attain a diameter of 4½ to 5 inches. Although tall and erect in growth, they are sturdy and well rooted and require no support. From seed sown in early spring they commence to bloom in July and continue until October. **Shrimp-pink** and **Rose** are two of the most attractive new colors.

5203 Canary-Yellow	5218 Rose
5204 Buttercup	5221 Scarlet
5207 Burnt Orange	5222 Crimson
5210 White	5225 Purple
5215 Salmon	5230 All Colors Mixed
5217 Shrimp-Pink	

Any of the above, **pkt. 15 cts., ¼ oz. 50 cts., oz. \$1.50.**



Beckert's Double Giant Zinnia
A typical flower.

5299 The Victory Quilled Zinnias

In this novel type the petals are rolled in or quilled, with only the tips expanded, and radiate from the center of the flower like in a fine-petaled cactus dahlia. The backs of the petals are always a different color from the front. In many harmonious combinations of typical Zinnia colors. **Pkt. 15 cts., ¼ oz. 50 cts., oz. \$1.75.**

Unique Picotee Zinnias

Similar in size and habit to the Double Giants, these new Zinnias are characterized by their unique color pattern. The flowers come in a great variety of soft shades with each petal distinctly tipped with darker color. The result is most effective.

5274 **Golden Pheasant**. The ground color is deep golden yellow, each petal being tipped with reddish maroon. **Pkt. 15 cts., ¼ oz. 75 cts., oz. \$1.75.**

5285 **Picotee Mixed**. Containing the above and other color combinations. **Pkt. 15 cts., ¼ oz. 75 cts., oz. \$2.50.**

Large-Flowered Dwarf Zinnias

These Zinnias bear flowers nearly as large as the Double Giants but grow only about 15 inches high and make large, compact, bushy plants. They are ideal for low beds or borders.

5234 Canary-Yellow	5243 Salmon-Rose
5236 Golden Yellow	5246 Scarlet
5239 White	5250 All Colors Mixed

Each, **pkt. 10 cts., ¼ oz. 35 cts., oz. \$1.00**

EARLY WONDER

The first of a new race of dwarf early flowering Zinnias, producing masses of Pumila type flowers on long stems.

	Pkt.	¼ oz.	1 oz.
5313 Fiery salmon cerise pink	\$.20	\$.75	\$2.50
5314 Rose pink .....	.20	.75	2.50

5312 **CURLED AND CRESTED**. With curiously twisted and curled petals. The flowers are not quite as large as the Double Giants but come in particularly brilliant colors. The plants are quite tall, bushy, and bear a profusion of blooms. A splendid bedder and excellent for cutting. **Pkt. 10 cts., ¼ oz. 50 cts., oz. \$1.25.**

5330 **DWARF LILLIPUTS MIXED**. Yellow, red, white and other bright colors. **Pkt. 10 cts., ¼ oz. 30 cts., oz. 75 cts.**

5328 **HAAGEANA MEXICAN HYBRIDS**. Double; mixed colors; fine. Each, **pkt. 15 cts., ¼ oz. 30 cts., oz. \$1.00.**



GLADIOLUS

Constant improvement in Gladiolus has greatly increased the interest in them and they are being planted in greater numbers each season. For cutting purposes, the bulbs may be planted in rows 12 to 18 inches apart, setting the bulbs 3 to 4 inches apart and planting to a depth of 6 inches. The flowering spike should be cut just as soon as the lower flowers open; the remaining buds will open if kept in fresh water and the open flowers removed as they fade. The stems should be clipped when the water is changed. Treated thus, a spike will last over a week.

For garden planting, they appear to best advantage in groups or masses and are best used in conjunction with some annual or bedding subject where they can be timed to flower in late summer when garden color is most desired. Groups can also be used effectively in the perennial border. A more continuous effect can be had by making successive plantings, beginning as soon as the ground can be worked, in early spring, and planting at intervals until June.

The prices named below are for the largest size bulbs—the only size we offer. They average 1½ inches or more in diameter, and are sound, vigorous, and free from disease. Such bulbs are sure to bloom, and will produce the longest, strongest spikes and the largest flowers. They are not to be compared with the smaller bulbs commonly offered and often incorrectly named "first-size."

If wanted by mail, add 8 cts. per dozen bulbs



A few of Beckert's New Varieties.

10 NEW AND RARE VARIETIES

BETTY NUTHALL. A warm, light coral with pale orange throat and a light feathering of carmine; flowers are often six inches across, of splendid substance and well placed on tall, strong spike. One of the best gladioli of later introduction. **10 cts. each, \$1.00 per doz., \$7.00 per 100.**

DR. F. E. BENNETT. Peach red, overlaid with flame scarlet throat speckled ruby and creamy white; very large flowers of great substance, on strong stems. **10 cts. each, 90 cts. per doz., \$6.00 per 100.**

CHARLES DICKENS. Purple violet, similar to Anna Eberius, but taller spikes and more flowers on the stem. A very good grower and choice variety. **10 cts. each, \$1.00 per doz., \$7.50 per 100.**

EUROPA. Splendid pure white; the large, well shaped flowers all open at a time, making it a gorgeous display of the purest white; absolutely the best white in existence, but very poor propagator. **10 cts. each, \$1.00 per doz., \$7.50 per 100.**

GERALDINE FARRAR. Beautiful pale lavender blue, with deep violet spot on lower petals; a beautiful variety, though not quite as good as Mrs. Van Konynenburg, which is a little darker in color. **10 cts. each, \$1.00 per doz., \$7.50 per 100.**

YELLOW WONDER. Pure soft yellow, large flowers without any markings. Strong, healthy grower. **10 cts. each, \$1.00 per doz., \$7.00 per 100.**

MINUET. A beautiful clear, light lavender, four to six large, heavily textured blooms open at once on a good, strong stem. This is the lavender by which all other lavenders are judged. Considered by most growers as the last word in a light lavender gladiolus. **15 cts. each, \$1.40 per doz., \$10.00 per 100.**

MR. W. H. PHIPPS. La France pink overlaid with salmon-rose, lower petals faintly striped and speckled with ruby; has enormous flowers and spike. **10 cts. each, 90 cts. per doz., \$6.00 per 100.**

PURPLE GLORY. Deepest velvety maroon with almost black blotches; large, ruffled flowers on very tall, sturdy stems; a real giant in all respects. **10 cts. each, 90 cts. per doz., \$6.00 per 100.**

RED GLORY. Rich fiery red; a sport of Purple Glory, which it resembles in everything but the color. A real beauty. **10 cts. each, \$1.00 per doz., \$8.00 per 100.**

Semesan is a good disinfectant for all Bulbs and Tubers. Dust your Gladiolus with it at planting time. It protects against fungus and disease. **2 ozs. 50 cts., 1 lb. \$2.75, 5 lbs. \$13.**

"Seeds You Can't Keep Down"



GLADIOLUS (continued) THE BEST STANDARD VARIETIES

CAPTAIN BOYNTON. White flushed with lavender with maroon blotch on lower petals; an excellent variety. 7 cts. each, 75 cts. per doz., \$5.00 per 100.

COPPER BRONZE (Primulinus). Fine large flowered of peculiar but pleasing coloring best described by the name. 7 cts. each, 75 cts. per doz., \$5.00 per 100.

CRIMSON GLOW. A perfect scarlet of a deep type. Large, open flowers, well placed on a tall spike. 5 cts. each, 50 cts. per doz., \$3.50 per 100.

EVELYN KIRTLAND. Light rose, darker at the edges, fading to shell-pink at the center, with scarlet blotches. Very tall spikes. 6 cts. each, 60 cts. per doz., \$4.00 per 100.

GIANT NYMPH. Light rose-pink, very large, wide open flowers, well arranged on 6 foot stems. 7 cts. each, 75 cts. per doz., \$5.00 per 100.

GLORIANA. Finest golden salmon with pure yellow throat. Large, well opened flowers; many open at a time on always straight, strong and tall stem. A very beautiful variety. 10 cts. each, \$1.00 per doz., \$7.00 per 100.

GOLDEN MEASURE. Pure golden yellow, considered the best yellow on the market, a super-Glad. 7 cts. each, 75 cts. per doz., \$5.00 per 100.

LEMARECHAL FOCH. One of the earliest of all Gladiolus to bloom. A charming shade of light pink without any markings. 5 cts. each, 50 cts. per doz., \$3.50 per 100.

LOS ANGELES. Beautiful shrimp pink with a glowing orange carmine blotch in throat, tall and graceful, one of the best forcing varieties, most bulbs blooming with two spikes. 6 cts. each, 60 cts. per doz. \$4.00 per 100.

LOUISE. A real orchid-colored Gladiolus. The flowers are of largest size, placed on strong spikes, and the color is a clear rich lavender, like a Cattleya orchid. 7 cts. each 75 cts. per doz., \$5.00 per 100.

MARY PICKFORD. Creamy white flowers of the finest form, shading to sulphur-yellow in the throat; stem and calyx also white. Superb for cutting or garden decoration. 6 cts. each, 60 cts. per doz., \$4.00 per 100.

MRS. DR. NORTON. Fresh clear apple-blossom-pink; large flowers on long, slender spikes. 10 cts. each, \$1.00 per doz., \$7.00 per 100.

MRS. LEON DOUGLAS. Begonia rose striped with scarlet, tremendously large flowers with several side shoots, forming a gigantic bouquet. 7 cts. each, 75 cts. per doz., \$5.00 per 100.

MRS. FRANK PENDLETON, JR. Large wide-open flowers of vivid bluish-pink, with a brilliant scarlet blotch in the throat. 5 cts. each, 50 cts. per doz., \$3.50 per 100.

SCARLET WONDER. Purest deep scarlet; mammoth flowers, many open at a time on tall, stiff stems; a real giant. 7 cts. each, 75 cts. per doz., \$5.00 per 100.

SOUVENIR. The newest and finest deep yellow. Tall with extra-large flowers. Early and a good shipper. 5 cts. each, 50 cts. per doz., \$3.50 per 100.

VIRGINIA. Flaming scarlet, large, massive flowers, many open at a time, making a gorgeous display of dazzling red, good forcer. 5 cts. each, 50 cts. per doz., \$3.50 per 100.

BULBS AND ROOTS

MISCELLANEOUS

AMARYLLIS, Beckert's Giant American Hybrids. There is nothing better for the window-garden than Amaryllis bulbs—they are easily grown. 50 cts. each, \$5.00 per doz.

BEGONIA, Tuberos-rooted. A complete assortment of all colors. Single mixed colors: 25 cts. each, \$2.50 per doz. Double mixed colors: 30 cts. each, \$3.00 per doz.

CALADIUM esculentum (Elephant's Ear). Grown for its imposing leaves, which are shield-shaped, bright green in color, and often measure 3 feet or more in length and breadth. Requires a rich soil and an abundance of water.

	Each	Doz.		Each	Doz.
Mammoth	\$.20	\$2.00	Large	\$.10	\$1.00

CALADIUM, Fancy-leaved. Leaves marbled, veined, and striped with white, pink, and red. 30 cts. each, \$3.00 per doz., \$20.00 per 100.

CANNAS

CITY OF PORTLAND. Large size glowing pink flowers, rich green foliage. Height 3½ ft. 10 cts. each, \$1.00 per doz., \$7.00 per 100.

FIERY CROSS. A consistent bloomer having big scarlet blooms over a long period, green foliage. 10 cts. each, \$1.00 per doz., \$7.00 per 100.

KING HUMBERT. Orange-scarlet blooms of immense size, luxuriant bronze foliage. Height 4½ ft. 8 cts. each, 90 cts. per doz., \$6.00 per 100.

THE PRESIDENT. This is considered the best of the red flowering sorts. Enormous glowing scarlet blooms on strong stems, green foliage. Height 4 ft. 10 cts. each, \$1.00 per doz., \$7.00 per 100.

YELLOW KING HUMBERT. A large yellow orchid flowering type, whose blooms are blotched red, foliage green. 8 cts. each, 90 cts. per doz., \$6.00 per 100.

MADEIRA VINE. A rapid-growing climber which quickly covers porch trellises, etc. Graceful racemes of white flowers. 8 cts. each, 75 cts. per doz.

TUBEROSE, Double Pearl. The best variety; creamy white, very fragrant, double flowers. Start in March in the greenhouse for early flowers. Plant about the middle of May in the open. Mammoth bulbs. 7 cts. each, 65 cts. per doz., \$4.50 per 100.

HARDY GARDEN LILIES

For Spring Planting

AURATUM (Gold-banded Lily). Ivory-white with central band of yellow and numerous purple spots. Mammoth bulbs.....	Each	Doz.
	\$.35	\$3.50

REGALE (Myriophyllum). Trumpet-shaped, white flowers; shaded brown inside.....	.35	3.50
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SPECIOSUM ALBUM. Pure white, with green band in the center of each petal; exquisitely dainty and beautiful; very fragrant.....	.35	3.50
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SPECIOSUM MAGNIFICUM. Flowers larger than any of the other Speciosums. Rose, heavily spotted with rich crimson. Large bulbs35	3.50
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SPECIOSUM MELPOMENE. Large, rich carmine flowers, heavily spotted blood-red. Large bulbs35	3.50
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SPECIOSUM RUBRUM or ROSEUM. White, shaded with deep rose, and spotted red. Magnificent; free-blooming. 9 x 11-in. circumference.....	.35	3.50
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BECKERT'S PAN-AMERICAN MIXTURE

An unexcelled blend of a large number of fine and distinct varieties of Gladiolus. This is a specialty of ours and not to be compared with ordinary mixtures. Selected bulbs. 5 cts. each, 50 cts. per doz., \$3.25 per 100.



REMEDIES FOR INSECTS AND FUNGUS

Fluids and poisons are not mailable. All prices on Insecticides and Fungicides subject to change without notice.

Ant Killer, Tero. Are you bothered with ants? Tero Ant Killer will rid your place of ants in 24 hours. **Bottle 50 cts.**

Aphine. Destroys aphids, thrip, red spider, etc., in greenhouse and outdoors. $\frac{1}{4}$ pt. 25 cts., $\frac{1}{2}$ pt. 40 cts., pt. 65 cts., qt. \$1.00, gal. \$3.00

Arsenate of Lead Powder Has all the advantages of Arsenate of Lead Paste, but goes twice as far and is easier to handle. $\frac{1}{2}$ lb. 20 cts., 1 lb. 30 cts., 4 lb. bag 75 cts., 24 lb. carton in 4 lb. bags \$3.75, 100 lb. \$12.50.

Black Leaf 40, Nicotine-Sulphate (40 per cent nicotine guaranteed). Black Leaf 40 is highly recommended by experiment stations and by spraying experts throughout the United States and the Dominion of Canada. The standard contact insecticide for spraying vegetables, fruits, flowers, and plants to destroy aphids, thrips, leaf-hoppers, and similar "sucking" insects. Also effective for dipping purposes. 1-oz. bottle, 35 cts., 5-oz. bottle \$1.00, 1-lb. bottle \$2.10, 2-lb. tin \$3.10, 5-lb. tin \$5.85, 10-lb. tin \$10.15.

Bordeaux, Dry. One pound to 5 gals. of liquid. Full directions on package. 1-lb. carton 35 cts., 4-lb. bag 75 cts., 25-lb. bag \$3.50.

Bug Death. A fungicide, insecticide, and plant-food combined. Apply with duster or powder gun. 1 lb. 15 cts., 3-lb. pkg. 40 cts., 5-lb. pkg. 60 cts.

Calcium Arsenate. Will effectively control Mexican Bean Beetle. 1-lb. can 25 cts., 4-lb. pkg. 50 cts., 24-lb. carton in 4-lb. bags \$2.25.

Ceresan. For seed-grains and cotton. 1 lb. 75 cts., 5 lbs. \$3.00.

Copper Solution. A preventive for black rot, brown rot, and downy mildew of the grape, pear leaf-blight, tomato black rot, carnation rust, etc. **Qt. \$1.00, gal. \$3.50.**

Cyanogas (Calcium Cyanide). "G" for fumigating. "A" for dusting. This effective chemical is used for greenhouse and nursery stock fumigation, rodent control, and orchard dusting. **Lb. 75 cts., 5 lbs. \$3.00, 25 lbs. \$10.00.**

Derrisol. Will control plant lice, thrips and red spiders. Pleasant and safe to use. Indorsed by Agricultural colleges. **Oz. 35 cts., $\frac{1}{2}$ lb. \$1.25, 1 lb. \$2.25, 2 lbs. \$3.25, 10 lbs. \$12.00.**

Dichloricide. (Para Dichlorobenzene). Highly recommended for killing peach tree borers. **Lb. 50 cts., 5 lbs. \$2.00.**

Grafting Wax. $\frac{1}{2}$ lb. 25 cts., 1 lb. 45 cts.

Grape Dust. For mildew, mold, and rust. **5 lbs. \$1.00, 10 lbs. \$1.80.**

"Green Tox 50." Insect Spray. Kills and repels both leaf-eating and sucking insects. Soil and surface insects on vegetables, fruit trees, flowers, shrubs, etc. Non-poisonous. 1-oz. bottle 35 cts., $\frac{1}{4}$ -pt. can, $\frac{1}{4}$ -pt. can, \$1.00.

Hellebore, Best Grade, Powdered. For currant worms, etc. **Lb. 50 cts., $\frac{1}{2}$ lb. 30 cts.**

Kayso simplifies the problems of pest control — helps you grow better fruit, nuts, plants, and vegetables at lower cost. Kayso keeps the spray from washing off. **2-lb. pkg. 50 cts.**

Lemon Oil. Destroys mealy bug, brown and white scale, thrip, etc. $\frac{1}{2}$ pt. 40

cts., pt. 65 cts., qt. \$1.00, $\frac{1}{2}$ gal. \$1.75, gal. \$3.00.

Lime-Sulphur Liquid. The most generally satisfactory and effective of all dormant sprays; a safe and sure destroyer of all kinds of scale, as well as peach leaf-curl, bud-moth, apple-aphid, blister-mite, peach-worm, bark-lice, etc.; also an efficient fungicide. It is strictly a dormant spray and should not be applied while the trees are in leaf. For all ordinary spraying should be diluted with 8 to 9 gallons of cold water to 1 gallon of the Lime-Sulphur solution. **Qt. 45 cts., gal 90 cts., 5 gal. \$3.25, 30 gal. bbl. \$8.00, 50 gal. bbl. \$9.50. Bbls. not returnable.**

Lime-Sulphur, Dried. Used for the same purpose and has the same effectiveness as the liquid form and is much easier to handle **1 lb. 35 cts., 5 lbs. \$1.50, 12 $\frac{1}{2}$ -lb. bag \$2.00, 100-lb. drum \$11.50.**

Nicofume Liquid. For spraying and vaporizing. **1 lb. \$2.25, 4 lbs. \$5.75, 8 lbs. \$10.00.**

Nicofume Tobacco Powder. For fumigating greenhouses. **Lb. \$1.00, 5 lbs. \$3.35, 10 lbs. \$5.85.**

Nicofume Paper.

For fumigating. Strips of paper strongly saturated with nicotine. **Can — 24 sheets \$1.25, can — 144 sheets \$4.50, can — 288 sheets \$8.00.**

Nikoteen. Used as a spray to protect plants, shrubs, blooms, trees and all foliage from the attacks of certain insects. Two and one-half teaspoonfuls to one gallon of water is the proper spraying solution.



1-lb. bottle \$1.75, 4-lb. bottle \$5.00, 8-lb. can \$10.00.

Paris Green. More extensively used for killing potato bugs than any other poison. $\frac{1}{4}$ lb. 20 cts., $\frac{1}{2}$ lb. 35 cts., 1 lb. 65 cts.

Pyrox. The one best spray for the control of both chewing insects and fungus diseases. Easy to use—simply mix with cold water and spray. Sticks to foliage and increases yield. Use on truck crops, fruits, potatoes, etc. **Lb. 50 cts., 5 lbs. \$1.75, 10 lbs. \$3.00, 25 lbs. \$6.25, 50 lbs. \$10.25, 100 lbs. \$12.50.**

Nicotine Pyrox. Nicotine Pyrox. is a special new spray which performs all the regular Pyrox functions and has an additional attraction in that it kills sucking insects—like aphids. It is the first truly complete spray—an indispensable item for successful gardening — for vegetables, small fruits and flowers. **10-oz. jar (makes two gallons of spray), 50 cts, 40-oz. size \$1.25, 10 lb. \$3.00.**

Red Arrow Non-Poisonous Insect Spray. (Pyrethrum Soap.) The safe, pleasant spray to use, effective on chewing and sucking insects. Safe because it is harmless to children, adults, domestic animals and useful wild bird-life. Safe, also, because it does not injure or stain flowers or foliage. Safe to use on fruits and vegetables

before marketing. 1-oz. bottle 35 cts., $\frac{3}{4}$ -oz. can \$1.00, $\frac{1}{2}$ -pt. can \$1.75, 1-qt. can \$6.00, 1-gal. can \$20.00.

Scalecane. A complete dormant spray of highest quality of miscible oil, noted for its effectiveness against San Jose scale and all other scale insects, which winter on trees. **Qt. 60 cts., 1 gal. \$1.50, 5 gal. \$4.90, 15 gal. drum \$10.00, drum extra \$2.00; 30 gal. drum \$16.50, drum extra \$2.50; 50 gal. drum \$23.50, drum extra \$3.00. Drum cost refunded when returned prepaid to Pratt Co., Hackensack, N. J.**

Semesan. Applied to the seed before planting will control any disease organisms that may be on the seed. Effective treatment for brown patch. **2-oz. 50 cts., 1 lb. \$2.50, 5 lbs. \$11.75, 25 lbs. \$46.25.**

Semesan Bel. Ideal treatment for potatoes, will control scab, rhizoctonia and black leg. **4 oz. 50 cts., 1 lb. \$1.75, 5 lbs. \$8.00.**

Soap, Getz-There. Gal. \$1.50, 5 gals. \$6.50.

Slug - Shot.

Destroys potato and other bugs. Use with powder gun or bellows. **1-lb. can. 25 cts. 5-lb. can 75 cts., 25-lb. can \$3.50.**

Soap, Fish-Oil.

Destroys insects on plants, trees, etc. **Lb. 35 cts., 5-lb. can \$1.40.**

Sulphur. For mildew on plants, etc. **Lb. 15 cts., 5 lbs. 50 cts., 10 lbs. 75 cts.**

Snarol. Snails, cut-worms, slugs, grasshoppers, sow-bugs, ear-wigs, etc. are exterminated. Snarol is ready prepared meal that you simply broadcast on the ground, under the vegetation. The pests eat the meal and are quickly destroyed. **$\frac{1}{2}$ -lb. pkg. 35 cts. 4 lbs. 85 cts., 15 lbs. \$3.00.**

Thrip Juice. Very effective in destroying thrips on grapes, aphid, red spider, mealy bug, soft scale and other sucking insects. Dilute with from 16 to 40 parts of water. **Pt. 75 cts., qt. \$1.25, gal. \$3.50.**

Tobacco Dust, Fine. For green and black aphid, flea-beetles, etc. Splendid fertilizer and preventive for insects in the ground and around roots. **Lb. 15 cts., 5 lbs. 50 cts., 25 lbs. \$1.50, 100 lbs. \$5.00.**

Tobacco Dust, Coarse. **Lb. 10 cts., 5 lbs. 40 cts., 25 lbs. \$1.00, 100 lbs. \$3.00.**

Tobacco Stems. Used for fumigating and as a fertilizer. **100 lbs. \$1.75, ton \$15.00.**

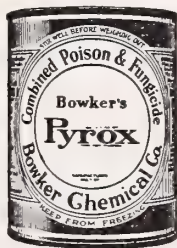
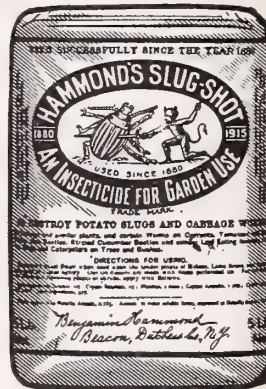
Tree Paint, Frahm's. An effective remedy for diseased trees and shrubbery. **Qt. 75 cts., gal. \$2.50.**

Tree Tangle-Foot. Protects trees from canker worms, cutworms, etc. **Lb. 60 cts., 5 lbs. \$2.75, 10 lbs. \$5.25, 25 lbs. \$11.00.**

Vermol. Worm eradicator, non-poisonous and harmless to lawns. **5 lbs. 75 cts., 25 lbs. \$2.00, 100 lbs. \$6.00.**

Wilson's O. K. Plant Spray. **Qt. \$1.00, gal. \$3.00, 5 gals. \$12.00, 10 gals. \$20.00, 30 gals. \$57.00, 50 gals. \$90.00.**

X-L-All. Kills mealy bugs, red spider, and all insect pests. **Qt. \$2.50, $\frac{1}{2}$ gal. \$4.50, gal. \$8.00.**



"Seeds You Can't Keep Down"



REMEDIES FOR INSECTS and FUNGUS



GET YOUR Free Copy OF THIS ILLUSTRATED BOOKLET

This winter or early spring spray your fruit and shade trees with

DENDROL DORMANT SPRAY OIL

1. Developed with co-operation of Crop Protection Institute.
2. An easy flowing liquid oil—not a paste form.
3. Costs less—use only two gallons to 98 of water to kill San Jose scale and aphids.
4. Kills red mite.
5. Kills many scale insects on fruit and shade trees.
6. Used for five years by fruit growers and nurseries.
7. Mixes quickly even with hard water—nothing else to add.

Prices		Add	Prices	
50 gal.....	\$24.50	\$*2.25	5 gal.....	\$5.00
30 gal.....	16.50	*1.50	1 gal.....	1.25
15 gal.....	11.75	...	1 qt.....	.65

*This drum deposit is returned on receipt of empty drum, less freight charges. Larger quantities cost less in 50-gal. drums.

NURSERY VOLCK

Effective, Safe and Easy to Use

Ornamental shade trees, shrubs, conifers, and greenhouse plants require a great deal of care to preserve their natural beauty and vigor. Spraying with contact insecticides is the only satisfactory means of controlling the sap-sucking insects such as scales, mites, aphids, mealy bugs, white flies, etc. Nursery Volck is especially adapted to nursery, greenhouse, and shade-tree spraying. It has all the effectiveness of the original Volck but is safer when applied to tender plants.

½-pt. can.....	\$.35	1-gal. can.....	\$ 2.50
1-pt. can.....	.60	5-gal. can.....	10.00
1-qt. can.....	.90		

Ansul Formaldehyde Dust Control "Damping-Off" of FLOWER and VEGETABLE SEEDLINGS



Tomato seedlings growing in untreated soil. Tomato seedlings in Ansul Formaldehyde Dust treated soil.

PRICES

1 lb. cans.....	\$.50	25 lb. drums.....	\$4.50
5 lb. cans.....	1.50		



EVERGREEN KILLS ANTS AND GARDEN INSECTS

EVER GREEN is a highly effective, yet entirely safe insecticide that is giving excellent control of practically all insects. It will not injure the tenderest plants or flowers. Absolutely non-poisonous to humans, animals, birds, pets. Economical and very easy to mix and apply. Guaranteed not to corrode metal, rubber or clothing.

Used and endorsed by Commercial Florists, Market Growers, Government and University entomologists.

1-oz. bottle 35c (by mail 40c), 6 ozs. \$1.00 (by mail \$1.10), pint \$2.00, quart tins \$3.50, gallon tins \$11.50. Larger sizes also available.

WEED KILLER (Liquid) Holmerdens

WEED KILLER. Dilute 1 part to 30 to 40 parts water. Will kill all noxious weeds in driveways, paths, tennis courts, etc. Use with care as it will also kill grass. Qt. 50 cts., 1 gal. \$1.75, 5 gals. \$8.00.

ANSUL

HYDROPHILIC COLLOIDAL SULPHUR. A general sulphur fungicide and contact insecticide for fruits, vegetables, flowers and ornamental shrubs and trees.

Packed In Bottles and Kegs

3 lb. bottles.....	\$ 1.50 Postpaid
6 lb. bottles.....	3.00 Postpaid
25 lb. kegs.....	6.75 F. O. B. Marinette
60 lb. kegs.....	15.60 F. O. B. Marinette
120 lb. kegs.....	30.00 F. O. B. Marinette



FERTILIZERS

Fertilizers purchased in lots of 100 lbs. or over are **delivered** free to your residence, if same is within our local delivery zone, which see on Page 2. Fertilizers to be sent by freight are 25 cts. per 100 lbs. lower than quoted prices.

ADCO. The addition of Adco to the compost pile, or to other vegetable refuse, grass clippings, leaves, etc., at the rate of two pounds to each wheelbarrow load of refuse will produce a clean, odorless, manure within three or four months. **25 lbs. \$2.00, 150 lbs. \$10.50.**

ALUMINUM SULPHATE. Makes soil acid, and for this purpose is much used in the culture of rhododendrons and similar plants. **1 lb. 20 cts., 5 lbs. 75 cts., 25 lbs. \$2.50, 100 lbs. \$7.50.**

ASHES, Unbleached Hardwood. A splendid stimulant, fertilizer and sweetener, particularly for lawns. Apply in fall or early spring; 1,500 to 2,000 pounds to the acre.

In 100-pound bags

100 lbs.....	\$ 2.50	1000 lbs.....	\$18.00
500 lbs.....	10.00	2000 lbs.....	35.00

BAUGHGRO. For prices, see Page 71.

BLOOMAID. Concentrated plant-food in tablet form. Fine for all kinds of plants, indoors and out. In boxes of 14 tablets, **25 cts.**

BONE MEAL, PURE RAW, No. 1. Highest grade. Contains nothing but pure raw animal bone. Vastly superior to steamed bone. Ammonia 4½ to 6 per cent; phosphoric acid 22 to 24 per cent, equal to bone phosphate 43 to 52 per cent.

5 lbs.....	\$.30	100 lbs.....	\$ 3.50
10 lbs.....	.50	500 lbs.....	13.50
25 lbs.....	1.25	1000 lbs.....	26.00
50 lbs.....	2.25	2000 lbs.....	50.00

BONE MEAL FLOUR. Finest grade of bone meal made. Ground as fine as flour, used in potting soil and in the greenhouse on carnations. Ammonia 4.50 per cent, phosphoric acid 25.58 per cent, bone phosphate 50.00 per cent.

100 lbs.....	\$ 5.00	1000 lbs.....	\$41.00
500 lbs.....	21.00	2000 lbs.....	80.00

CLAY'S FERTILIZER. The most widely used complete fertilizer imported from England. Used mainly in the greenhouse.

7 lbs.....	\$1.50	56 lbs.....	\$ 8.00
14 lbs.....	2.50	112 lbs.....	14.00
28 lbs.....	4.50		

COTTONSEED MEAL. Rich in nitrogen and potash; suitable for grain crops, but most largely used on lawns. Use ¼ to 1½ tons per acre. Please write for prices.

DRIED BLOOD. Contains nitrogen in the most available form, gives quick results. **100 lbs. \$7.00.**

FLORANID (Urea). Is a very rich nitrogen fertilizer, in which the nitrogen is in the same form as a liquid manure. Twenty-two pounds of Floranid contains as much nitrogen as a ton of manure. **1 lb. can 25 cts., postpaid 35 cts.; 5 lb. can 90 cts., postpaid \$1.05; 10 lb. can \$1.50, postpaid \$1.70; 25 lb. bag \$2.75; 50 lb. bag \$4.75.**

F. & I. TOBACCO BASE FERTILIZER. "The Wonder Worker of the florist trade." **100 lbs. \$3.00, 500 lbs. \$13.50, 1000 lbs. \$24.75, 2000 lbs. \$47.50. F. O. B. Pittsburgh.**

HORN SHAVINGS. Rich in ammonia and valuable for use in mixing in potting soil especially for chrysanthemums. **1 lb. 15 cts., 25 lbs. \$2.00, 100 lbs. \$7.00.**

LEAF-MOLD. For mixing with potting soil. Lime treated for past 3 years, pulverized. Clean, aerated for buyer.

Peck	\$.50	5 sacks.....	11.25
2 bu. sack.....	2.50		

LIME, HYDRATED. For lawns or field use, very finely pulverized.

10 lb. sack.....	\$.30	500 lbs.....	\$ 5.25
50 lb. sack.....	.75	1000 lbs.....	9.00
100 lb. sack.....	1.25	2000 lbs.....	17.00

Ask for delivered prices in carload lots.

MURIATE OF POTASH, 48% K₂O.

1 lb.....	\$.15	100 lbs.....	\$ 4.00
10 lbs.....	1.00	2000 lbs.....	60.00

MILORGANITE.

100 lbs.....	\$ 3.00	1000 lbs.....	\$20.50
500 lbs.....	11.00	2000 lbs.....	40.00

NITRATE OF SODA. 15 per cent nitrogen. Supplies nitrogen to soil, should be applied with a filler or as a liquid use. 200 lbs. to 500 lbs. per acre.

1 lb.....	\$.15	100 lbs.....	\$ 3.50
5 lbs.....	.50	500 lbs.....	13.50
10 lbs.....	.75	1000 lbs.....	25.50
25 lbs.....	1.25	2000 lbs.....	50.00

NITROPHOSKA 15-30-15. 15 per cent nitrogen; 30 per cent available phosphoric acid; 15 per cent potash. A wonderful fertilizer for lawns, shrubbery, flowers and vegetables. "A little goes a long way." A 10-lb. package is enough for 1000 square feet. **1 lb. can 25 cts., postpaid 35 cts.; 5 lb. can 90 cts., 10 lb. can \$1.50, 25 lbs. \$2.75, 50 lbs. \$4.75, 100 lbs. \$6.50.**

PEAT, GRANULATED. For prices see Page 71.

PEAT, JERSEY. For mixing with potting soil. **Peck 50 cts., 2-bu. sack \$2.50, 5 sacks \$11.25.**

SHEEP MANURE.

5 lbs.....	\$.30	100 lbs.....	\$ 3.00
10 lbs.....	.50	500 lbs.....	11.50
25 lbs.....	1.00	1000 lbs.....	22.00
50 lbs.....	1.75	2000 lbs.....	42.00

SHREDDED CATTLE MANURE.

100 lbs.....	\$ 3.00	1000 lbs.....	\$22.00
500 lbs.....	11.50	2000 lbs.....	42.00

SOOT, IMPORTED SCOTCH. Will produce color in greenhouse plants, also very effective against grubs and worms. **1 lb. 20 cts., 10 lbs. \$1.50, 100 lbs. \$8.00.**

SULPHATE OF AMMONIA.

5 lbs.....	\$.50	50 lbs.....	\$3.00
10 lbs.....	.75	100 lbs.....	5.00
25 lbs.....	1.75		

SUPERPHOSPHATE—16 per cent. For grains, grasses and corn. (In 125-lb. bags.)

125 lbs.....	\$2.75	1000 lbs.....	\$13.50
500 lbs.....	7.25	2000 lbs.....	25.00

SWIFT'S RED STEER—5-10-5. For truckers. (In 125-lb. bags.)

125 lbs.....	\$ 3.50	1000 lbs.....	\$19.50
500 lbs.....	10.25	2000 lbs.....	37.00

SWIFT'S RED STEER—2-8-5. For corn and potatoes. (In 125-lb. bags.)

125 lbs.....	\$3.25	1000 lbs.....	\$17.00
500 lbs.....	9.00	2000 lbs.....	32.00

SWIFT'S RED STEER—4-8-7. For potatoes. (In 125-lb. bags.)

125 lbs.....	\$ 3.50	1000 lbs.....	19.00
500 lbs.....	10.00	2000 lbs.....	36.00

SWIFT'S RED STEER—4-12-4. For truckers. (In 125-lb. bags.)

125 lbs.....	\$ 3.50	1000 lbs.....	\$19.50
500 lbs.....	10.25	2000 lbs.....	37.00

VIGORO. Plant Life. See page 71.



"BAUGHGRO"

The Ideal Plant Food

A rich luxuriant lawn and a bountiful garden are well worth planning and earnestly striving for, while a picturesque landscape is a delight to the eye; the possessor of any or all of them is to be congratulated.

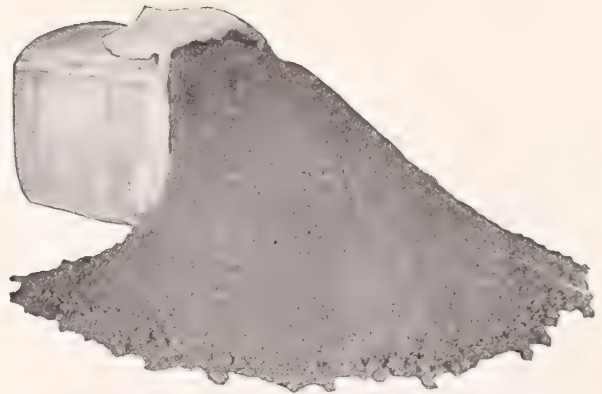
For these intensely interesting purposes and most happy accomplishments BAUGHGRO has been specially devised. It is an unusually effective soil enriching plant food—a plant activator.

PRICES

5 lb. canister.....	\$.50
10 lb. bag.....	.85
25 lb. bag.....	1.50
50 lb. bag.....	2.50
100 lb. bag.....	4.00

PEAT MOSS

19½ bu. bale



Mulch your rhododendrons, kalmias, ferns and roses with Peat Moss. An ideal mulch for your shrubs and lawn. Used in proper proportions will bring your soil to the highest state of physical condition. It helps to bind together and give more body to loose sandy soil; it will break up and render more friable heavy clay soil; it makes all soil easy to work, highly retentive of moisture so that it will hold the plant food which has been dissolved in the soil moisture; it will prevent baking and caking; develop necessary soil bacteria and in general condition your soil so that it is sure to produce better crops or flowers. Largest size bales, highest grade peat on the market.

F.O.B. Storeroom: 1 Bale \$3.25, 5 Bales \$15.75.
Delivered in City: 1 Bale \$3.75; 5 Bales \$17.00.



For Gardening Success

Select good seed and plants, care for them properly, and feed them regularly with Vigoro, the complete, balanced plant food.

Vigoro contains all of the food elements necessary to produce rich-green, velvety lawns; large, beautiful flowers; healthy, full-foliaged shrubs and trees; and early, delicious vegetables. Vigoro is "the *square meal* for all plants."

Clean, odorless, and economical. Simple directions for using Vigoro on every bag or package. Used annually on 3,000,000 homes. We recommend it highly.

Prices:

12-oz. Pkg.....	\$.10
5-lb. Pkg.....	.50
10-lb. Pkg.....	.85
25-lb. Pkg.....	1.50
50-lb. Pkg.....	2.50
100-lb. Pkg.....	4.00
500-lb. Pkg.....	16.00

VIGORO

Complete plant food

A Product of Swift & Company

"Use Vigoro on Everything You Grow"



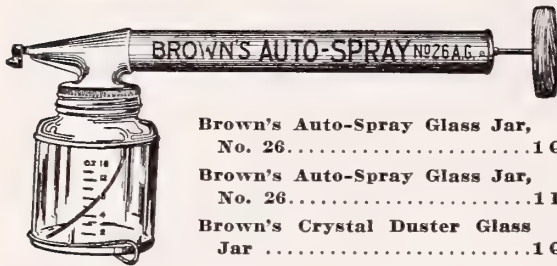


SPRAY PUMPS

KNAPSACK AND BUCKET STYLE SPRAYERS



BROWN'S NO. 50 SPRAYER	
Galvanized Tanks...3 Gal.	\$5.50
Brass Tanks 3 Gal.	8.50
BROWN'S NO. 9 SPRAYER	
Galvanized Tanks...4 Gal.	6.65
Brass Tanks .....4 Gal.	9.75
Blue Ribbon Junior Galvanized .....2 Gal.	4.50



Brown's Auto-Spray Glass Jar,	
No. 26.....	1 Qt. \$1.25
Brown's Auto-Spray Glass Jar,	
No. 26.....	1 Pt. 1.00
Brown's Crystal Duster Glass Jar	
.....	1 Qt. 1.25

Acme No. 345 Compressed Air Sprayer—	
Gal. Tanks	4 Gal. \$2.90
Acme No. 363 Continuous Sprayer—Glass Jar.....	.90
Acme No. 490 Sprayer—Galvanized.....	1 Qt. .75
Acme No. 322 B. Sprayer—Brass.....	1 Qt. 1.25
Acme No. 334 Sprayer—Tin	1 Qt. .30
Acme No. 331 Sprayer—Tin	1 Pt. .25
Acme No. 390 Sprayer—Dusters .....	.75

SPRAY PUMPS AND SPRAYERS

COG-GEAR BARREL PUMP.....	\$12.50
COG-GEAR DOUBLE ACTING BARREL PUMP.....	45.00
HUDSON BARREL CART SPRAYER.....	43.50
HUDSON SUNSHINE SPRAYER.....	12½ Gal. 13.50
PARAGON NO. 3 SPRAYER.....	12 Gal. 22.50
No. 665. HUDSON MAJOR DUSTER.....	1.00
No. 663. HUDSON CADET DUSTER.....	.50
No. 4452. HUDSON MISTY SPRAYER.....	.50
No. 202. HUDSON MIDGET SPRAYER.....	.35
JAKE COMPRESSED AIR, GALVANIZED.....	1 Qt. 1.25
JAKE COMPRESSED AIR, BRASS.....	1 Qt. 2.00
No. 2. VAPORIZING "FAULTLESS" SPRAYERS	
Brass	1 Qt. 1.25
BOTTLE SPRAYER	1.00

MISCELLANEOUS ATTACHMENTS AND ACCESSORIES

NOZZLES	
Fog, Straight and Angle.....	Each \$.75
NOZZLES	
Bordeaux	1.00
Imperial .....	.85
Standard	1.10
Vermorel	1.00
Perfection .....	.90
NOZZLE STRAINER	1.65
ELL, Service ¼ inch, 45 degrees, Brass.....	.50

LAWN ACCESSORIES

LAWN MOWERS

COLDWELL IMPERIAL	
16-inch	
18-inch	
PHILADELPHIA HIGH WHEEL	
15-inch, Style A	
17-inch, Style A	
19-inch, Style A	
PENNSYLVANIA HIGH WHEEL STANDARD	
15-inch	
17-inch	
PENNSYLVANIA GOLF MOWERS	
17-inch	
19-inch	
PENNSYLVANIA GRASS BOXES	
17-inch	
19-inch	

LAWN TRIMMERS AND EDGER

COLDWELL
PHILADELPHIA
Lawn Mower Prices on Application

GRASS CATCHERS

PHILADELPHIA	
15-inch	\$1.00
17-inch	1.25
19-inch	1.50

LAWN SPRINKLERS

ALLEN'S FLAT SPRAY, Brass Nickel Plated....	Each \$.75
BUSY .....	.75
CHEAP, but GOOD.....	.35
DAYTON, Style "A".....	7.50
DOUBLE ROTARY	11.00
DOUBLE ROTARY JUNIOR.....	7.50
PARK SIDE LAWN.....	3.00
RAIN KING	3.50
RING .....	.75
TURBINE	1.25



R. I. P. Whirling Spray. Works on lower pressure than any other sprinkler.
Two Sizes, \$1.00 and \$1.25

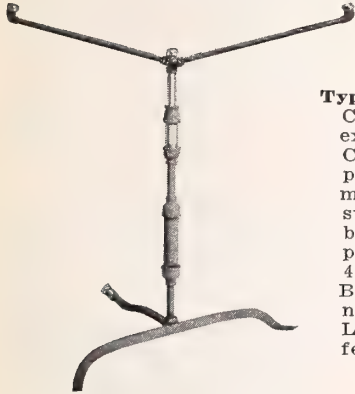
THE RAINING SPRINKLER

For Golf Greens, Fairways, Private Estates and Residences
Simple, durable and ornamental sprinklers that distribute a rain of water over a large area with a minimum pressure. Built in 12 sizes for large and small areas.
Our resident sizes give you a continuous perfect rainfall and are built to give many years of perfect service.
Size A. Coverage 6 to 35 feet. **\$6.00**
Size D. Where water pressure is low. Coverage 15 to 40 ft. **\$8.25**

"Seeds You Can't Keep Down"



SPRINKLERS—Continued



Type C Special Long Range—
Covers the largest area, has extra jets in the end of arms. Can be used only when the pressure is 40 pounds or more. One-inch hose, 3/4-inch standpipe; 3/4-inch hose may be used with pressure of 60 pounds or more. Standpipe 42 inches, arms 36 inches. Brass bearing runs in water, no oil necessary. C. Special Long Range with 80 to 100 feet coverage, \$20.00.



Type C Special—Is excellent for large lawns and is our golf course special as it is especially efficient for watering putting greens. Will not mar the greens or wash out seeds. Standpipe 34 inches; arms 32 inches. Can be moved by pulling hose. C Special, 40 to 60 feet coverage, \$15.00.

In ordering sprinklers please state the size of your hose connections.

LAWN AND GARDEN HOSE

1/2-in.—50 ft. long with couplings (Tonka) Dbl. Braid....	\$5.50
1/2-in.—50 ft. long with couplings (Relief) Dbl. Braid....	5.00
3/4-in.—50 ft. long with couplings (Tonka) Dbl. Braid....	6.50
3/4-in.—50 ft. long with couplings (Relief) Dbl. Braid....	5.50
5/8-in.—25 ft. long with couplings Cheap but Good.....	2.25
5/8-in.—50 ft. long with couplings, Cheap but Good.....	4.00

SPRAY HOSE

3/4-in.—50 ft. long, 5 ply (carry 300 lb. pressure) Target Brand	Per Ft. .15
3/4-in.—50 ft. long, 5 ply (carry 500 lb. pressure) Relief Brand	Per Ft. .18

Hose "Y" CONNECTION

3/4-inch	1.00
----------------	------

HOSE REDUCERS

Each 30 cts. Doz.....	2.50
-----------------------	------

HOSE COUPLINGS, Bull Dog

1/2 and 3/4 inch.....	Doz. 2.50
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HOSE MENDERS—Bull Dog

1/2 and 3/4 inch. Each 15 cts.....	Doz. 1.25
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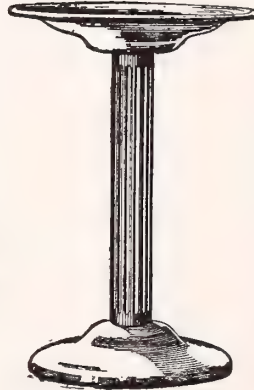
HOSE WASHERS	Doz. .10
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HOSE NOZZLES

Greenhouse	Each \$1.00
Hot Bed, Aluminum, 4 3/4-inch face.....	3.50
Hot Bed, Brass, 4 3/4-inch face.....	3.00
Justrite .....	.60

BIRD BATH, BROWN'S DE LUXE

SPECIFICATIONS

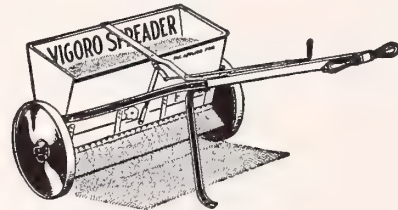


Top—17-inch diameter, 3 inches deep, heavy copper-bearing galvanized steel, painted natural cement color.

Bottom—14-inch diameter, 2 1/2 inches high, heavy copper-bearing galvanized steel, painted natural cement color.

Column—20 inches high, 3-inch diameter, water lead 1/4 inch, heavy iron pipe with fittings, height overall, 25 1/2 inches; packed one in strong fibre carton. Shipping weight 12 lbs., postage extra, zone rate. Complete, \$8.50.

VIGORO SPREADERS



Model	Width of Spread	Capacity of Hopper	Shipping Weight	Price
Little	14 in.	13 lbs.	6 lbs.	\$1.65
Model B	14 in.	13 lbs.	11 lbs.	2.50
Junior	16 in.	35 lbs.	16 lbs.	5.45
Standard	24 in.	65 lbs.	39 lbs.	9.95
Special	36 in.	100 lbs.	51 lbs.	15.95



IMPERIAL ELECTRIC HEDGE CUTTER AND TRIMMER

The Imperial will accomplish as much in one hour as would ordinarily require from five to six hours.

The trimmer is 38 inches long, weighs 8 1/2 lbs.; the chrome carbon steel blades are 12 inches wide and the 1/2 H.P. Motor works on either A.C. or D.C. 110 to 120 volts. It consumes only as much current as a 60-watt lamp. The 100-foot cord is covered with flexible rubber. F.O.B. Factory.

Price\$45.00

(The swiftest operating and most practical)

Imperial Electric Hedge Cutter and Trimmer



WATER-WEIGHT LAWN ROLLERS

These Rollers have strong, one-piece, hollow steel drums into which water or sand can be poured until the Roller is just the right weight for any job. By varying the amount of water, the same Roller may be used on soft lawns or on the tennis-court or drives, and, when not in use and empty, it is light enough to be easily handled and stowed away in the basement or garage.

- No. 607. Diam. 14 in., length 15 in., weight empty 50 lbs., filled with water 115 lbs.. \$ 9.00
- No. 601. Diam. 14 in., length 24 in., weight empty 60 lbs., filled with water 250 lbs.. 10.00
- No. 602. Diam. 18 in., length 24 in., weight empty 75 lbs., filled with water 330 lbs.. 15.50
- No. 603. Diam. 24 in., length 24 in., weight empty 100 lbs., filled with water 440 lbs.. 17.00



CULTIVATORS AND SEEDERS

IRON AGE. (Attachments carried in stock)
 No. 306. Double and Single Wheel Hoe and Combined Hill and Drill Seeder. Complete.....\$21.00

- GEM**
 Single Wheel Hoe and Cultivator. Hoes, Plows and Teeth. Complete 7.25
- MODEL SEED DRILL**..... 12.00
 No. 316. HILL AND DRILL SEEDER..... 14.00
 AMERICAN GARDENER CULTIVATOR..... 6.00
 STANDARD HIGH WHEEL CULTIVATOR..... 4.50
 STANDARD HILL AND DRILL SEEDER..... 13.25
 CAHOON SEED SOWER..... 4.50

- MIDGET SEEDER**
 No. 1. Without handle..... 4.00
 No. 1H. With handle..... 4.50

- PLANET JR. SEEDERS and CULTIVATORS**
 No. 3. Hill and Drill Seeder..... 16.50
 No. 4. Combined Seeder and Single Wheel Hoe..... 16.75
 No. 12. Double and Single Wheel Hoe Combined..... 10.00
 No. 17. Single Wheel Hoe..... 7.75
 No. 19. Garden Plow and Cultivator..... 5.75
 No. 119. High Wheel Garden Plow and Cultivator... 4.75
 Attachments for Planet Junior carried in stock.


STAR PULVERIZER AND WEEDER..... 3.25

MISCELLANEOUS GARDEN TOOLS


ASPARAGUS KNIVES

Straight Blade Each \$.45

DIBBLES

- 

Wooden Handle



Iron Dibble
- Wooden Handle, Iron Point, Small..... .55
 - Wooden Handle, Iron Point, Large..... .70
 - Wooden Handle, Brass Point..... .70
 - Iron Grip Handle..... .65

FORKS

- Gem. With 3 steel prongs..... \$.45
- HEAVY ANGULAR TINES, Polished..... 1.75
- ENGLISH DIGGING 2.50
- FRUIT PICKER50
- GARDEN LINE REELS. With stake..... 1.25
- GARDEN LINE REELS. Large, with stake..... 1.75
- GRAFTING TOOL 1.00

GRASS EDGING KNIVES, Half Moon

- English, 8-inch \$2.00
- English, 9-inch 2.25
- American, 9-inch 1.00

HOES

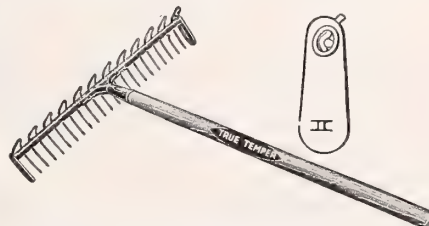
- BEET, Short Handle, 4-in Blade..... \$.50
- One-Prong Weeding65
- Two-Prong Weeding75
- Field Steel Socket
- G 6-inch 1.00
- G 7-inch 1.00
- G 8-inch 1.10
- Italian Grape. Blade 7x9 in., 3½-ft. Handle..... 1.75
- Warren Solid Socket. 7-in. Blade..... 1.25
- Potato. Four Oval Tines..... 1.15
- Potato. Four Round Tines..... 1.15
- Grape. 2 Two Prongs..... 1.25

MATTOCKS

- Solid Eye \$1.25
- Solid Steel 1.00
- Grub, Sprouting. 4½-in. Blade..... .85

RAKES

- Automatic. 26 Teeth..... \$1.75
- 38 Teeth 2.25
- The Ole Olson. Straight or Curved..... .90



Each
 Park. 36 wire teeth \$.75

Queen City
 24 Teeth .. .75
 36 Teeth .. .90
 42 Teeth .. 1.00

- Yellow-Jacket. (Self-cleaning) 1.25
- Steel Bow Garden. (14 Teeth)..... 1.00

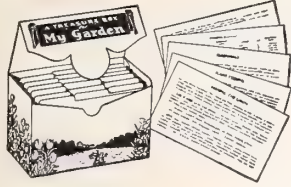


Straight Steel
 Garden Each
 12 Teeth .. \$.95
 14 Teeth .. 1.00
 16 Teeth .. 1.10

BRUME RAKES. Japanese Bamboo Broom Rake

- 12-inch \$.22
- 23-inch85
- 30-inch95
- STEEL BROOM RAKE**
 24 Teeth, 17-inch..... .75

"Seeds You Can't Keep Down"



A SPECIAL OFFER

A Treasure Box. Yes, a Garden Treasure Box!

Something entirely new and different . . . a collection of 122 handy cards, printed on both sides with gardening ideas and information that you have often wished for.

Thousands of pages of gardening advice by leading authorities are condensed on these cards, all carefully arranged and indexed, in a colorful, attractive, and sturdy box.

You can have it—only 35 cts. with a purchase of Vigoro. Be sure to come in and see it.

SAWS

PRUNING No. 1, Straight Single Edge	
16-inch	\$ 1.45
18-inch	1.60
20-inch	1.70
22-inch	1.85
PRUNING No. 11, Triangle	
16-inch	1.60
18-inch	1.70
Extra Blades .....	.40
SEARIGHT	2.50
Extra Blades .....	.35

SCISSORS

FLOWER GATHERING or ROSE	\$ 1.25
ENGLISH VINE, 6-inch	1.00

SCYTHES

LAWN, HIGH GRADE ENGLISH, Riveted Back	
30-inch	\$ 2.40
32-inch	2.50
34-inch	2.65
36-inch	2.80
SCYTHE HANDLES	1.50



SCYTHE STONES

Each	
Welsh Talacre	\$0.35
Carborundum	.30



SHEARS

GRASS BORDER, ENGLISH	
8-inch	\$ 5.00
9-inch	5.25
10-inch	5.50
10-inch, with Wheel	6.00
SICKLES or GRASS HOOKS	
Village Blacksmith No. 4 .....	.50
Village Blacksmith No. 3 .....	.65
Village Blacksmith No. 30 .....	.75
English, Riveted Back .....	.90

LOPPING SHEARS

ENGLISH	
2½-inch	\$ 4.75
3 -inch	5.25
4 -inch	5.75
SEARIGHT	
No. 777	3.00

HEDGE SHEARS

ENGLISH	
8-inch	\$ 3.00
9-inch	3.25
10-inch	3.75
V. B. No. 600, 6-inch	1.25
V. B. No. 800, 8-inch	2.00
V. B. No. 900, 9-inch	2.25

GRASS, SHEEP SHEARS

ENGLISH	
5½-inch	\$ 1.75
7 -inch	2.00
No. 357	
5½-inch .....	.75

PRUNING SHEARS



FRENCH WHEEL-SPRING	
7-inch	\$ 1.75
8-inch	2.00
9-inch	2.25
10-inch	2.50
No. 1543, Brass Spring	3.00
No. 117	2.00
No. 600R	2.50
No. 17R	1.25
No. 409, WISS	2.00
No. 263, HEINISCH	
9-inch	1.50

SPADES

BURBANK ROUND POINT	\$ 2.00
GOLD STANDARD GARDEN	2.00
KNOX, Square Point	1.50
Boys Size—Useful for Light Work .....	.75

SYRINGES

BRASS	
No. 103, 1½ x 16-inch, 1 Rose and 1 Jet	\$ 4.00
No. 110, 1½ x 18-inch, 2 Roses and 1 Jet	9.00

STAKES

BAMBOO CANE, Natural Color			
		100	1000
5 to 6-foot	\$ 1.50	\$12.00	
6 to 9-foot	2.50	20.00	
9 to 12-foot	3.50	30.00	

BAMBOO CANE, Japanese, Dyed Green			
	Doz.	100	1000
1½-foot	\$.10	\$.50	\$3.00
2 -foot .....	.12	.55	3.75
2½-foot .....	.12	.60	4.25
3 -foot .....	.15	.65	5.00
3½-foot .....	.18	.75	6.00
4 -foot .....	.20	1.00	7.50
CHINESE TONKENS, 6-foot	1.00	6.00	...

HYACINTH			
12-inch, Painted Green .....	.35	2.00	
18-inch, Painted Green .....	.45	2.50	

WOODEN ROUND TAPERING, Light Weight			
1½-foot .....	.30	2.00	...
2 -foot .....	.50	3.50	...
3 -foot .....	.85	6.75	...
4 -foot	1.25	10.00	...
5 -foot	1.75	13.50	...

HEAVY WOODEN or DAHLIA			
3-foot	1.25	10.00	...
4-foot	1.75	12.00	...
5-foot	2.50	17.00	...
6-foot	3.00	20.00	...

BEAN POLES, Cypress			
Square Cypress	1.60	12.00	...

GALVANIZED WIRE			
2-foot .....	.25	1.25	9.00
3-foot .....	.35	1.75	13.50
4-foot .....	.40	2.00	16.50
5-foot .....	.50	2.50	20.00



Beckert's Seed Store

TREE PRUNERS

EXTENSION

8-foot pole, one piece.....	\$5.00
8-foot pole, jointed.....	6.00
10-foot pole, one piece.....	5.25
12-foot pole, one piece.....	5.50
14-foot pole, jointed.....	6.75
14-foot pole, one piece.....	6.00
16-foot pole, one piece.....	6.50
16-foot pole, jointed.....	7.50

TROWELS



Transplanting No. 217. 8-inch.....	Each \$.30
Solid Steel Socket and Blade, 85 cts. each.	
Forged Steel, No. 211. 6-inch blade and shank, one piece	.70
Sheet Steel, No. 212. 6-inch blade and shank, one piece	.40
TYING MACHINE, Felins	
Foot Power.....	\$70.00
Electric Power.....	\$140.00

WEEDERS

NORCROSS WEEDER and CULTIVATOR

3 sizes.....	.50 cts., 75 cts., \$1.00
--------------	---------------------------



Onion Weeder, 45 cts. each



EUREKA WEEDER

Eureka. Short handle.....	\$.45
2-foot handle.....	.65
Excelsior.....	.20
Hazeltine.....	.50

WATERING-CANS

Fine and coarse spray.

WOTHERSPOON'S EXTRA HEAVY

4-quart.....	\$4.25
6-quart.....	4.50
8-quart.....	5.00
10-quart.....	5.50
12-quart.....	6.00
4-quart, low.....	4.00

HAW'S RED JAPANNED

3-quart.....	5.75
4-quart.....	6.25
6-quart.....	6.75
8-quart.....	7.75
10-quart.....	8.75
4-quart, low.....	5.25
Extra sprays or roses on the above.....	.50

LIGHTWEIGHT

4-quart.....	.65
6-quart.....	.75
8-quart.....	.85

WHEELBARROWS

No. 2. Body 28 inches long, tire 2 3/4 inches.....	\$7.00
No. 3. Body 26 inches long, tire 2 3/4 inches.....	6.50

BOX STAPLES

Bull Dog.....	Per 1000 1.00
---------------	---------------

CELERY BLEACHERS

6 x 13 inches.....	Per 100 6.00
--------------------	--------------

CHARCOAL

Fine and medium.....	12 1/2 lb. \$1.00, 25 lb. \$1.75, 100 lb. 6.00
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CLIPS, Bull Dog.....	Per 1000 .75
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National Eezy Wear Garden Gloves



GARDEN GLOVES

National Eezy Wear, all sizes..Pair \$.65

GARDEN LINE. White, glazed

48-foot hanks.....	.50 cts.	Per doz.....	\$5.00
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GLASS-CLEANER. Daylight

Gal.	\$2.25	5 Gal.....	\$9.00
Glass Cleaner, Sky Bryte, gal.....			3.25

GLASS CUTTER

Red Devil.....	.15
Turret Head.....	.30

GLAZING POINTS

Peerless, No. 1, 2, 2 1/2.....	Per M 75 cts., Per 5M 3.50
Zinc Greenhouse, 3/8, 1/4, 3/16-inch.....	Lb. 50 cts., 5 lb. 2.25

GLAZING COMPOUND

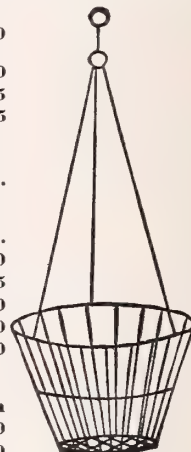
Glazola..... Gal.	\$1.50, 5 Gal...\$ 5.00
Puttium, Gal.	\$2.00, 5 Gal. \$8.50, 10 Gal. 15.00
Mastica..... Gal.	2.25
Mastica Machine.....	2.75

GRAFTING WAX

1/4 lb. 25 cts., 1/2 lb. 40 cts., 1 lb. 60 cts.

HANGING BASKETS

	Each	Doz.
8-inch.....	\$3.30	\$3.00
10-inch.....	.35	3.25
12-inch.....	.40	4.00
14-inch.....	.45	4.50
16-inch.....	.50	5.00



HOTBED MATS

	Each
40 x 78, Semi-Weather Proof.....	\$2.00
78 x 80, Semi-Weather Proof.....	3.50

HOTBED SASH. Standard 3 x 6 (4 rows)

	Each	Doz.
Cypress, painted and glazed.....	\$5.50	\$60.00
Unpainted and unglazed.....	3.00	30.00

LABELS, Simplex Weatherproof, White Celluloid

Prices, including Copper Wires for Attaching

		Doz.	100
No. 1. 3 x 1 1/2 inch.....	\$.50	\$3.00	
No. 2 4 x 3/4 inch.....	.75	5.00	
No. 3 5 x 1 inch.....	1.00	7.00	

Green Celluloid, Copper Wires

			100
No. 31 3 x 1 1/2 inch.....		\$2.50	
No. 32. 4 x 3/4 inch.....		4.00	
No. 33. 5 x 1 inch.....		5.50	

Steel Stylus for marking with each box of 100

LABELS, Gardeners' or Pot

	100	1000
8-inch.....	\$1.15	\$ 8.25
10-inch.....	1.25	10.00
12-inch.....	1.75	13.25
4-inch.....	.40	2.75
5-inch.....	.50	3.25
6-inch.....	.55	3.50
Tree, Copper Wired.....	.50	3.25
MOLE TRAPS, Reddick.....	Each 1.00	

MOSS

Green Log.....	Sack 2.00
Sphagnum, Dried.....	Bale 1.75
Live.....	Market Price



"Seeds You Can't Keep Down"



PAPER	
Tissue, Waxed.....Ream	\$2.50
Tissue, Waxed, Green.....	3.50
PLANT TIES, Lightning.....Per M	2.50
PUTTY BULBS	
For applying Mastica.....Each	1.25
RAFFIA, Natural Color	
1 lb. 40 cts., 5 lbs. \$1.85, 10 lbs.	3.50
RAFFIA, Green—1 lb.....	1.25
SPRINKLER, Scollay's Rubber No. 1	1.25
SPRINKLER, Central Rubber No. 1..	.50



THERMOMETERS

Tested Each

No. 5400.	10-inch Japanned Case.....	\$1.75
No. 5400P.	10-inch Copper Case, Distance Reading.....	2.35
No. 5400PS.	10-inch Copper Case, Distance Reading.....	2.35
No. 5154S.	10-inch Copper, Distance Reading.....	1.00
No. 5452P.	8-inch Brass, Self Registering.....	6.75
No. 5452R.	8-inch Japanned Case, Self-Registering.....	6.50
No. 5981.	Hot Bed or Mushroom.....	2.15
No. 5430.	10-inch Copper Case.....	2.25

FLOWER POTS, SAUCERS, ETC.

Standard Flower Pots, Inside Diameter

Flower Pots	Each	Doz.	100
2½-inch standard pots.....	\$.02	\$.20	\$ 1.50
3-inch standard pots.....	.03	.30	2.10
4-inch standard pots.....	.04	.40	2.50
5-inch standard pots.....	.05	.55	4.00
6-inch standard pots.....	.10	1.00	7.00
7-inch standard pots.....	.15	1.50	12.00
8-inch standard pots.....	.20	2.20	15.00
9-inch standard pots.....	.30	3.00	20.00
10-inch standard pots.....	.45	4.50	30.00
11-inch standard pots.....	.60	6.00	40.00
12-inch standard pots.....	.75	8.00	...

Bulb or Azalea Pots	Each	Doz.	100
4-inch.....	\$.04	\$.40	\$ 2.50
5-inch.....	.05	.55	4.00
6-inch.....	.10	1.00	7.00
7-inch.....	.15	1.50	12.00
8-inch.....	.20	2.20	15.00
9-inch.....	.30	3.00	20.00
10-inch.....	.45	4.50	30.00
11-inch.....	.60	6.00	40.00
12-inch.....	.75	8.00	...

Orchid Pots	Each	Doz.
5-inch.....	\$.35	\$ 3.35
6-inch.....	.45	4.45
7-inch.....	.60	5.55
8-inch.....	.70	6.70
9-inch.....	.95	8.95
10-inch.....	1.35	13.00

Flower-Pot Saucers	Each	Doz.
For 4-inch pots.....	\$.03	\$.30
For 5-inch pots.....	.04	.45
For 6-inch pots.....	.06	.65
For 7-inch pots.....	.08	.85
For 8-inch pots.....	.12	1.15
For 9-inch pots.....	.16	1.60
For 10-inch pots.....	.20	1.95
For 11-inch pots.....	.24	2.35
For 12-inch pots.....	.28	2.75

Fern-Dish Linings	Each	Doz.
5 inches x 2½ inches.....	\$.10	\$ 1.00
6 inches x 2⅝ inches.....	.12	1.25
7 inches x 2⅞ inches.....	.15	1.50
8 inches x 2⅞ inches.....	.20	2.00

Low Pans for Ferns and Seedlings	Each	Doz.	100
5 inches x 3¼ inches.....	\$.05	\$.55	\$ 4.00
6 inches x 3½ inches.....	.10	1.00	7.00
7 inches x 3½ inches.....	.15	1.50	12.00
8 inches x 3¾ inches.....	.20	2.20	15.00
9 inches x 4 inches.....	.30	3.00	20.00
10 inches x 4 inches.....	.45	4.50	30.00
11 inches x 4 inches.....	.60	6.00	40.00
12 inches x 4½ inches.....	.75	8.00	...

Round Seed Pans	Each	Doz.
9-inch.....	\$.40	\$ 4.40
12-inch.....	.75	8.00

PAPER FLOWER POTS, NEPONSET

Very economical; waterproof; can be nested closely for shipping.

Diam.	Doz.	100	1000
2½-inch.....	\$.10	\$.65	\$ 4.50
2½-inch.....	.15	.70	5.00
3-inch.....	.20	.85	7.25
3½-inch.....	.25	1.20	9.00
4-inch.....	.30	1.75	11.25
5-inch.....	.40	2.50	17.50
6-inch.....	.50	3.00	22.00

EVER READY FLOWER POT COVERS

Specify whether for Standard or Azalea Pots

	Each	Doz.	100
For 5-inch pots.....	\$.18	\$1.75	\$12.00
For 6-inch pots.....	.20	2.00	14.00
For 7-inch pots.....	.22	2.25	16.00
For 8-inch pots.....	.25	2.50	18.00

VIRGINIA CEDAR PLANT TUBS. Painted green with galvanized electric welded wire hoops and handles. If wanted with handles, add 20 cents to price of each tub.

No.	Diam. Inside Top	Diam. Inside Bottom	Depth Inside	Each
2	7-in.	5-in.	7-in.	\$.60
3	8-in.	6-in.	8-in.	.65
4	9-in.	7-in.	9-in.	.70
5	10-in.	7½-in.	9-in.	.80
6	11-in.	8½-in.	10-in.	1.10
7	12-in.	9-in.	11-in.	1.30
8	13-in.	10-in.	12-in.	1.60
9	14-in.	11-in.	13-in.	1.80
10	15-in.	11½-in.	14-in.	2.00
11	16-in.	12½-in.	15-in.	2.25
12	17-in.	13½-in.	16-in.	2.60
13	18-in.	14½-in.	17-in.	3.25
14	19-in.	15½-in.	18-in.	3.75



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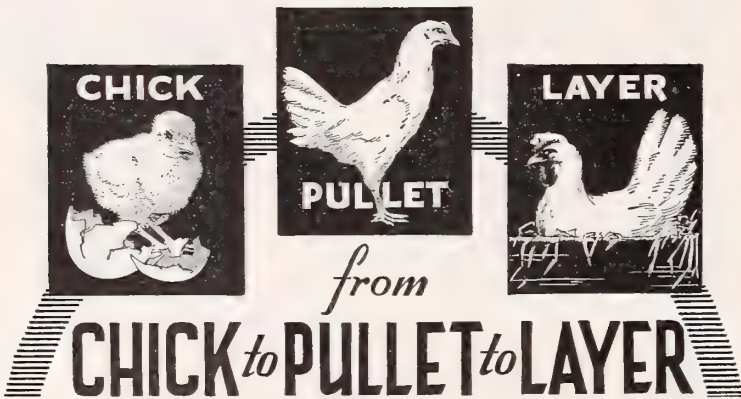
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The large whole biscuit for the mature dog.

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5 lbs.....	.60
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50 lbs.....	5.25
100 lbs.....	10.00

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100 lbs.....	7.75

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100 lbs.....	7.00

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50 lbs.....	5.00
100 lbs.....	9.50

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1 lb.....	\$.10
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2 cans 25 cts.	Doz. \$1.40	Case, 48 cans, \$4.75
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SPRATT'S CAT FOOD.....		Carton 35 cts.
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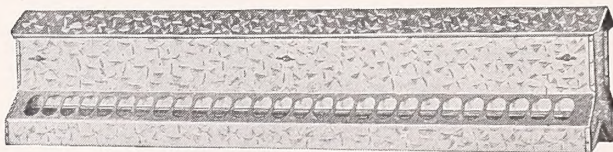
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FLAX	REQUEST	RAPE
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Bitters.....	.25 cts.
Charcoal.....	2 lbs. 25 cts.
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Gravel.....	2-lb. box
10 cts., 10-lb. bag 35 cts., 50-lb. bag 80 cts., 100-lb. \$1.50	
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Nesting Hair.....	.10 cts.
Nu Life.....	.25 cts.
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Song Restorer.....	.25 cts.
Song Restorer Cups.....	5 cts., 6 for 25 cts.
Tonic.....	.25 cts.
Vegetable Oil.....	30 cts. bottle
Wash.....	.25 cts.

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